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ALIGNMENTS

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; E Mammalla; Eutheria; Primates; Catarrhini; Hominidae; 1 (bases 1 to 2063) Jensen, L.E. and Whitehead, A.S. Expression of alternatively spliced interleukin-1 rec accessory protein mRNAs is differentially regulated d inflammation and apoptosis Cell. Signal. 15 (8), 793-802 (2003) Submitted (19-AUG-2002) Department of Pharmacology, University of Pennsylvania, 156 Johnson Pavilion, 3620 Hamilton Walk, Philadelphia, Ph 19104-6084, USA Location/Qualifiers AF538734 2063 bp mRNA linear Homo sapiens clone L2 soluble interleukin-1 recept protein mRNA, complete cds; alternatively spliced. AF538734 Homo sapiens (human) Jensen, L.E. Direct Submission AF538734.1 GI:33286880 22664804 2781872 (bases 1 to 2063) 205. .206 /note="alternative splice site 207. .1277 /organism="Homo sapiens" /mol type="mRNA" /db_xref="taxon:9606" /clone="L2" 118. /cell /note="sIL-1RACP; alternatively spliced" 'codon_start=1 'product="soluble interleukin-1 receptor accessory note="alternative splice site for exon 1 and .2063 _line="HepG2" 119 op mRNA linear PRI 28-JUL interleukin-1 receptor accessory for exon N receptor ed during and Euteleostomi; ; Homo. PRI 28-JUL-2003 exon exon ω = 2

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933 TTTCTGATGGATTCTCGCAATGAGGTTTGGTGGACCATTGATGGAAAAAAACCTGATGAC	dם	Pred. No. 0;	
1116 TTTCTGATGGATTCTCGCAATGAGGTTTGGTGGACCATTGATGGAAAAAAAA	Q	cch	
1056 GTGGTCTATGAGAAAGAACCAGGAGAGGAGCTACTCATTCCCTGTACGGTCTATTTTAGT	Qy Db	ו מקן	
996 AAGGTAGTAGGCTCTCCAAAAATGCAGTGCCCCCTGTGATCCATTCACCTAATGATCAT	dy Qy	NGRTFHLTRTLTVKVVGSPKNAVPPVIHSPNDHVVYEKEPGEELLIPCTVYFSFLMDS RNEVMWTIDGKKPDDITIDVTINESISHSRTEDETRTQILSIKKVTSEDLKRSYVCHA RSAKAPAKVKQKGNRCGQ" 1170 1171	
936 TGTGTTGTTACATATCCAGAAAATGGACGTACGTTTCATCTCACCAGGACTCTGACTGTA 	ОУ	/translation="MTLLWCVVSLYFYGILQSDASERCDDWGLDTMRQIQVFEDEPAR IKCPLFEHFLKENYSTAHSAGITLIWYWTRQDRDLEEPINFEKENKISKEKDVLWFR PTLLNDTGNYTCMLRNTYYCSKVAFPLEVVQXDSCFNSPMKLPVHKLYIEYGIQRITC PNVDGYFFPSSVKPTITWYMGCYKIONFNNVIJEGMALSFLLAISNNGNYTCVTTVE	
876 CCCGAAGGTATGAACTTGAGTTTCCTCATTGCCTTAATTTCAAATAATGGAAATTACACA [ОУ	<pre>/product="soluble interleukin-1 receptor accessory protein" id="AAQQ1757.1" /brotein_id="AAQQ1757.1" /db_xref="GI:33266877"</pre>	
	Db Qy	ternative splice site for exon 1 L-IRACP; alternatively spliced" art=1	
	Db Qy		
696 GTTCAAAAAGACAGCTGTTTCAATTCCCCCATGAACTCCCAGTGCATAAACTGTATATA	Qy Db	source 11976 /organism="Homo sapiens" /mol_type="mRNA" /db_xref="taxon:9606"	
636 TATACCTGCATGTTAAGGAACACTACATATTGCAGCAAAGTTGCATTTCCCTTGGAAGTT	Db Qy	AL Submitt Pennsyl Philade S	tra
576 ATTAGTAAGGAGAAAGATGTGCTGTGGTTCCGGCCCACTCTCCTCAATGACACTGGCAAC	Db		-
516 TGGACTAAGCAGGACCGGGACCTTGAGGAGCCAATTAACTTCCGCCTCCCCGAGAACCG	d Q	accessory protein mRNAs is differentially regulated during inflammation and apoptosis JOURNAL Cell. Signal. 15 (8), 793-802 (2003) MEDLINE 22648804	
456 CACTICTIGADATICAACTACAGCACAGCCCATICAGCIGGCCTTACTCIGATCIGGTAT	Qy da	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. REFERENCE 1 (bases 1 to 1976) AUTHORS Jensen, L.E. and Whitehead, A.S. TITLE Expression of alternatively spliced interleukin-1 receptor	
396 ATGAGGCAAATCCAAGTGTTTGAAGATGAGCCACTCCCATCAAGTGCCCACTCTTTGAA	Qy Db	S Homo sapiens (human) ISM Homo sapiens Eukaryota: Metazoa: Chordata: Craniata:	Fo be
336 TTTTATGGAATCCTGCAAAGTGATCCCTCAGAAGCGCTGCGATGACTGGGGACTAGACAC 	ρb	iens clone L1 mRNA, completo .1 GI:332868	⊿ ₩ ₩
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276 TIGCCCCICCCTTAATAICICAAAGGATGACACTTCIGIGGGGTGTGTAGTGAGTCICTAC	8	RESULT 2	
115	дь	Db 2040 CTAAAAAAAAAAAAAAAA 2059	_
216 ATCGTCATGTGATCATCACCTAAGAACTAGAACATCAGCAGGCCCTTAGAAGCCTCACTC	Q.	2136 СТАВАВАВАВАВАВАВАВА 2155	^
156 GECGACACTGCACCCATCCCGGCTGCTTTTGCTGCGCCCTCTGAGCTTCCCAAGAAAGGC	Qy dd	QY 2076 GTACTATATTATTCTACAATAAATGGAAATTATAAAGCCTTCTTGTCAGAAGTGCTGCTC 2135	H ^
96 TGCCGGGATCCAGGTCTCCGGGGTCCGCTTTGGCCAGAGGCGCGGAAGGAA	Qy db	QY 2016 AAAATGAAAATCATTTAAATTATGATTTTAAATGGTATACACATGATTTCTATGTTGATA 2075	
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1 (Dases 1 to 1857)

Jensen, L.E., Muzio, M., Mantovani, A: and Whitehead, A.S.

IL-1 signaling cascade in liver cells and the involvement of a soluble form of the IL-1 receptor accessory protein

50 Limmunol. 164 (10), 5277-5286 (2000)
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Direct Submission
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                     GAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAGTAAGGAGAAAGATGTGCTGTGG
                                                               GCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAGGCAGGACCGGGACCTTGAG
                                                                                              GCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAAGCAGGACCGGGACCTTGAG
                                                                                                                                                GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA
                                                                                                                                                                            GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA
                                                                                                                                                                                                                               TCAGAACGCTGCGATGACTGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTGAAGAT
                                                                                                                                                                                                                                                           TCAGAACGCTGCGATGACTGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTTGAAGAT
                                                                                                                                                                                                                                                                                                                ATGACACTTCTGTGGTGTAGTGAGTCTCTACTTTATGGAATCCTGCAAAGTGATGCC
                                                                                                                                                                                                                                                                                                                                      ATGACACTTCTGTGGTGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /gene="IL1RAP"
1791. .1796
/gene="IL1RAP"
1835
/gene="IL1RAP"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /protein_id="AAF71687.1"
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FTLLNDTGNYTCWLRNTTYCSKVAFPLEVVQXDSCENS.PKL.PVHXLYIEYGIQRITC
PNLDDTGNYTCWLRNTTYCSKVAFPLEVVQXDSCENS.PKLPVHXLYIEYGYTVFTP
NGRTFHLTRTLTVKVVGSFKNAVPPVHSNNVFDEMNLSFTALILISNNGNYTCVTYPB
NGRTFHLTRTLTVKVVGSFKNAVPPVHSNNHVVYEKEPGEBLLIPCTYYFSTLNDS
RNEVWMTIDGKKPDDITIDVIINESISHSRTEDETRTQILSIKKVTSEDLKRSYVCHA
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1. _1857
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23 TACAATTATGAAAAATTAAAAACAAAGAAAATATTCAAAGCTACCAAAGATAGAAAAAAAC	63 AATGCCCAAATGTAGCTAAAAAATCGACGTGAGTACAGTGAGACACAATTTTGTQ 	03 ATGAAAGTTTTCATCTATGTAAGATACTCAAAATATTGTTTCTGATATTGTTAGTAC 	43 TCCAGCACCTAGCCTGACGGCATCTAACCCATAGTAATGAATCAAACTTAAATGAAA	83 CAGCTCCAAATTAACATTGTGGTGAATAAGGACAAAAGGAGAGATTGAGAAC 	23 GTTGCCAAAGCAGCCAAGG	63 GTTACCTCTGAGGATCTCAAGCGCAGCTATGTCTGTCATGCTAGAAGTGCCAAAGGCGAA	3 AGTATAAGTCATAGTAGAA 	3 TGGTGG	83 GAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT	3 GTGCCCCCTGTGATCCATTCACGTAATGATCATGT	3 CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAA 	3 ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATG 	3 TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTI 	3 CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATAI	3 CCCATGAAACTCCCAGTGCATAAACTGTATATI	ത ത	03 TTCCGGCCCACTCTCCTCAATG	
1682	1622	T 1562	1502	C 1442	T 1382 T 1080	1 1322	1262	1202	r 1142 r 840	G 1082	1022	4 962	902	C 842	T 782	C 722	A 662 A 360	 300
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2103 AATTATAAAGCC	2043 TTAAATGGTATAO 1741 TTAAATGGTATAO	1983 CAGGTTTATAATATAC 1681 CAGGTTTATAATATAC	1923 TTATTTTCCAAA 1621 TTATTTTCCAAA	1863 TGTAAAACATTA: 1561 TGTAAAACATTA:	1803 AACAAATAACAGA 1501 AACAAATAACAGA	1743 AGTTTAAGAGTCJ 1441 AGTTTAAGAGTCJ	1321 IACARITATIONA 1683 TGGTAGAGCCAC 1381 TGGTAGAGCCAC	
AATTATAAAGCCTTCTTGTCAGAAGTGCTGCTGCTAAAAAAAA	TTAAATGGTATACACATGATTTCTATGTTGATAGTACTATATTATTCTACAATAAATGGA 	CAGGTTTATAATATACCAGCAGCCACAATTGCTAAAATGAAAATCATTTAAATTATGATT 	TTATTTTCCAAAAATGCATAATTATAATATTATTTTAAACACTATGTATCAATATTTAAG 	TGTAAAACATTATTAATAGCAGCCATCCAATTGTATGCAACTAATTAAGGTATTGAATGT 	aacaaataacagaaagggaattatataccttttaatatatat	AGTTTAAGAGTCATAAAAAAGATTGCATCATCTGACCTAAGACTTTCGGAAATTTTTCCTG 	TGGTAGAGCCACATATTGTTGGTGAATTATTAAGACCCTTTTAAAAATCATTCAT	**************************************
	2102 1800	2042 1740	1982	1922 1620	1862 1560	1802 1500	1742	200

ACCESSION
VERSION
KEYWORDS
SOURCE
ORGANISM RESULT 4 BC053621 DEFINITION

BC053621 BC053621.1 GI:31565480 MGC.

BC053621 1561 bp mRNA linear PRI 30-JUN-2004 Homo sapiens interleukin 1 receptor accessory protein, transcript variant 2, mRNA (cDNA clone MGC:61532 IMAGE:6160894), complete cds.

REFERENCE AUTHORS

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 1561) Homo sapiens Homo sapiens (human)

Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G.,
Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D.,
Altschul, S.F., Zeeberg, B., Buetcw, K.H., Schaefer, C.F., Bhat, N.K.,
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Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L.,
Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S.,
Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J.,
Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J.,
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Worlley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W.,
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Fahey, J., Helton, E., Ketteman, M., Madan, A., Rodrigues, S.,
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Generation and initial analysis of more than 15,000 full-length human and mouse cDMA sequences Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002) 12477932 . U

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JOURNAL PUBMED REFERENCE AUTHORS TITLE

2 (bases 1 to 1561) Strausberg,R. Direct Submission

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61
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This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 24430220.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Web site: http://www.nisc.nih.gov/
Contact: nisc_mgc@nhgri.nih.gov/
Akhter,N., Ayele,K., Beckstrom-Sternberg,S.M., Benjamin,B.,
Allakesley,R.W., Bouffard,G.G., Breen,K., Brinkley,C., Brooks,S.,
Blakesley,R.W., Bouffard,G.G., Breen,K., Brinkley,C.,
Brooks,S.,
Blakesley,R.W., Bouffard,G.G., Breen,K., Burinkley,C.,
Haghighi,P.,
Haghighi,P.,
Haghighi,P.,
Haghighi,P., Legaspi,R.,
Hansen,N., Ho,S.-L., Karlins,E., Kwong,P., Laric,P., Legaspi,R.,
Maduro,Q.L., Masiello,C., Maskeri,B., Mastrian,S.D.,McCloskey,J.C.,
McDowell,J., Pearson,R., Stantripop,S., Thomas,P.J., Touchman,J.W.,
Tsurgeon,C., Vogt,J.L., Walker,M.A., Wetherby,K.D., Wiggins,L.,
Young,A., Zhang,L.-H. and Green,E.D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Issue Procurement: ATCC/DCTD/DTP
Tissue Procurement: ATCC/DCTD/DTP
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Sequencing by: National Institutes of Health Intramural
Sequencing Center (NISC),
Gaithersburg, Maryland;
Gaithersburg, Maryland;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Submitted (09-JUN-2003) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
                                                                                                     GCCCGGCGACACTGCACCCATCCCGGCTGCTGTTTGCTGCGCCCTCTCAGCTTCCCAAGAA 211
                                                                                                                                                        Conservative
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isoform 2"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         codon_start=1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 note="Vector: pCMV-SPORT6"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            _xref="MIM:602626"
                                                                                                                                                                         71.4%;
                                                                                                                                                      Score 1538.8;
Pred. No. 1.1e
0; Mismatches
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                                                                                                                                                  8; DB 9;
1.1e-310;
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                                                                                                                                                                                           Length 1561;
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                                                                                                                             TGACATCACTATTGATGTCACCATTAACGAAAGTATAAGTCATAGTAGAACAGAAGATGA
                                                                                                                                                                                                              TCATGTGGTCTATGAGAAAGAACCAGGAGGAGGAGCTACTCATTCCCCTGTACGGTCTATTT
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/product="interleukin 1 receptor accessory protein" /protein_id="BAA25421.1" /db_xxcef="G1:304173" /db_xxcef="G1:304173" /db_xxcef="G1:304173" /db_xxcef="G1:304173" /db_xxcef="G1:304173" /db_xxcef="G1:304173" /translation="MTLLWCVVSLYFYGILQSDASERCDDWGLDTMRQIQVFEDEPAR /translation="MTLLWCVVSLYFYGILQSDASERCDDWGLDTMRQIQVFEDEPAR /translation="MTLLWCVVSLYFYGILQSDASERCDDWGLDTMRQIQTCVTYPE PTLANDTGNYTCTYTTMYMGCYKIQNFNNVIPEGMNLSPLIALISNNGNYTCVTYPE PNDGYFPSSVKPTITWYMGCYKIQNFNNVIPEGMNLSPLIALISNNGNYTCVTYPE NGRTFHLTRTLTWKVGSFKNAVPUTHSPUTHSPLIALISNTCDTWYSEFLADS 'RNEWWFTIDGKKEDITIDUTINESISHSTEDETTQILISIKKYTSEDLKTSVCHA RSAKGEVAKAAKVKQKVPAPRYTVELACGFGATVLLVVILIVYHVYWLEMVLFYRAH FGTDETILDGKEKDITYDSTARNAEEEEFTLTLKGVLENBASRGNINVILVQXKAVKE TDETLSFIQKSRRLLVVLSPNXYLQGTQALLELKAGLENMASRGNINVILVQXKAVKE	/mol type="mank" /mol type="mank" /db_xref="taxon:9606" /tissue_type="brain" /dev_stage="fetal" /dev_stage="fetal" /codon start=1	Salto,T. Direct Submission Direct Submission Submitted (12-AUG-1997) T Radiological Sciences, Ge Chiba 263, Japan (5-mail: Fax:043-251-9818) Location/Qualifi 1. 4724 //organism="Homo	Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (sites) Saito,T. and Seki,N. Molecular cloning of human interleukin 1 receptor accessory protein Unpublished Unpublished Unpublished Unpublished Unpublished	AB006 COMP1 AB006 AB006 AB006 AB006	1652 AA 1653 	ABABATATTGTTTCTGATATTGTTAGTACCGTAATGCCCABAATGTAGCTAAAAAAAAAA	1292 TGTCTGTCATGCTAGAAGTGCCAAAGGCGAAAGTTGCCAAAGCAGCCAAGGTGAAGCAGAA 1351
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		536 TATACCIGCA GETTAAGGAACACTACATATICCAGCAAAGTIGCATITCCCTTGGAAGTI [1]			180 TTGCCCCTCCCTTTAATATCTCAAAGGATGACACTTCTGTGTGTG	216 ATCGTCATGTGATCATCACCTAAGAACTAGAACATCAGCAGGCCCTTAGAAGCCTCACTC	TKYKELKRAKTVLTVIKWKGEKSKYPQGRFWKQLQVAMPVKKSPRRSSSDEQGLSYSS LKXV" 4724 4724 /note="28 a nucleotides" N 57.7%; Score 1242.8; DB 9; Length 4724; t Local Similarity 99.8%; Pred. No. 7e-249; t Local Similarity 99.8%; Pred. No. 7e-249; ches 1255; Conservative 0; Mismatches 2; Indels 1; Gaps 1; 96 TGCCGGGATCCAGGTCTCCGGGGTCGCCTTTGGCCAGAAGGAAG

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
           <u> АТGAGGCAAATCCAAGTGTTTGAAGATGAGCCAGCTCGCATCAAGTGCCCACTCTTTGAA</u>
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                                            TTTTATGGAATCCTGCAAAGTGATGCCTCAGAACGCTGCGATGACTGGGGACTAGACACC
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                                                                          4575 bp mRNA linear PRI 28-JUL-2003 clone G3K2 soluble interleukin-1 receptor accessory mRNA, complete cds; alternatively spliced.
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156 GGCGACACTGCACCCATCCCGGCTGCTTTGCTGCGCCCTCTCAGCTTCCCAAGAAAGGC 215	/ Match 50.9%; Score 1096.6; DB 9; Length 4575; Local Similarity 99.6%; Pred. No. 2.3e-218; les 1110; Conservative 0; Mismatches 4; Indels 1; Gaps 1; 96 TGCCGGGATCCAGGTCTCCGGGGTCCGCTTTGGCCAGAAGGAAG	PILLMDIGNICMENTIXESVARFLEVVENDSCINSPMALPVHALYLEYGIGRIC PNUDGYFSSSVKPTITWYMGGYKIQMENVIPEGNNIESTLALIEKNGNYTGVYTYPE NGRTFHLITRILTVKVVGSPKNAVPPVIHSPNDHVVYEKEPGEELLIPCTVYFSFLMDS RNEWWWIDGKKPDDITIDVTINESASSKIHSGTGLWFWSHSPASGDSHCCLPCLLAR DGPILPGSFWNR" 11081109 /note="alternative splice site for exon 8 and exon 10" 12484575 _signal 45514556	/ Note = alternative spine site for exon 2 and exon 3 207. 1247 /note="sIL-1RACP-beta; alternatively spliced" /codon_start=1 /product="soluble interleukin-1 receptor accessory /protein_beta" /protein_beta" /protein_id="AAQ01755.1" /db_xref="GI:33286873" /translation="MTLMCVVSLYFYGILQSDASERCDDWGLDTWRQIOVFEDEPAR /translation="MTLMCVVSLYFYGILQSDASERCDDWGLDTWRQIOVFEDEPAR IKCPLFEHFLKFNYSTAHSAGLTLIWYWTRQDRDLEEPINFRLPENRISKEKDVLWFR	site for exon 1 and	2264804 12781872 12781872 2 (bases 1 to 4575)	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 4575) Jensen, L. E. and Whitehead, A. S. Expression of alternatively spliced interleukin-1 receptor accessory protein mRNAs is differentially regulated during inflammation and apoptosis Cell. Signal. 15 (8), 793-802 (2003)
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RESULT 8 AF3873 LOCUS DEPINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS TITLE		5 8 8 8 8 8		S B 8 B 8	4a 4a 4a 4a 4a	8 8 8
AF538733 AF538733 N Homo sapiens clone G2K1 membrane bound interleukin-1 receptor accessory protein mRNA, complete cds; alternatively spliced. AF538733.1 GI:33286878 Homo sapiens (human) M Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 4637) Jensen, L.E. and Whitehead, A.S. Expression of alternatively spliced interleukin-1 receptor accessory protein mRNAs is differentially regulated during inflammation and apoptosis		996 AAGGTAGTAGGCTCTCCAAAAATIGCAGTGCCCCCTGTGATCCACTCACCCTAATGATCAT 1055 996 AAGGTAGTAGGCTCTCCAAAAATIGCAGTGCCCCCTGTGATCCACTCACCTAATGATCAT 1055 900 AAGGTAGTAGGCTCTCCAAAAATGCAGTGCCCCCTGTGATCCATTCACCTAATGATCAT 959 900 AAGGTAGTAGGAGAAGAACAATGCAGGAGGAGCTACTCATTCCCTGTACGGTCTAATTTTTAGT 1115 1056 GTGGTCTATGAGAAAAGAACCAGGAGAGAGGAGCTACTCATTCCCTGTACGGTCTATTTTAGT 1019 960 GTGGTCTATGAGAAAGAACCAGGAGAGAGAGAAAAAAAAA	TGTGTTGTTACATATCAGAAAATGGAACGTACGTTACATCACCAGCAGCTCTGACTGTAA TGTGTTGTTACATATCAGAAAAAATGGAAATTACACAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAAATTACACAAAATTACACAAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATTACACAAAAATAAAAAA		420 TGGACTAGGCAGGACCGGGACCTTGAGGAGCCAATTAACTTCCCCTTGGAAGACCGC 479 576 ATTAGTAAGGAGAAAGATGTGCTGTGGTTCCGGCCACTCTCCAATGACACCTGGCAAC 635 [

Oy 276 TIGCCCCTCCCTTTAATATCTCAAAGGATGACACTTCTGTGGTGTGTAGTGAGTCTCTAC 335 Db 115AAAGGATGACACTTCTGTGGTGTGTAGTGAGTCTCTAC 152 Oy 336 TITTATGGAATCCTGCAAAGTGATGCCTCAGAACGCTGCGGTGACTGAC	Query Match Query Match Query Match Query Match Best Local Similarity 92.8%; Pred. No. 1.4e-212; Matches 1168; Conservative 0; Mismatches 2; Indels 88; Gaps 1; Qy 96 TGCCGGGATCCAGGTCTCCGGGGTCCGCTTTGGCCAGAGGCGGGAAGCAGTGCCC 155	FYGILQSDASERCDDWGLDIWRQ INWWIRQDRDLEEPINFRLPERRI PLEVVOKUSCENSPWILDFULLIP PLEVVOKUSCENSPWILDIALISNNG PVIHSPMHHVPEKEPGEELLIPC SISHSKTEBDETYTEKEPGEELLIPC SISHSKTEBDETYTEKEPGEELLIPC SISHSKTEBDETYTLVVILIVYHVYW SEBFVLLTLRGVLENBEFGYKLCIF GTQALLELKAGLENMASFGYKUSPRRSS PKILF for exon 9 and ex 1 variant"	/organism="momo sapiens" /mol type="manka" /db_xref="taxon:9606" /db_xref="taxon:9606" /clone="G2K1" /clone="G2K1" /clone="G2K1" /clone="G2K1" /clone="HepG2" 1119 misc_feature 118119 /note="alternative splice site for exon 1 and exon 3" /cdon start=1 /product="membrane bound interleukin-1 receptor accessory	
RESULT 9 AR166115 LOCUS DEFINITION Sequence 1 from patent US 6280955. ACCESSION AR166115 VERSION AR166115 VERSION AR166115.1 GI:16241289 SOURCE Unknown. ORGANISM Unknown. Unclassified. REFERENCE 1 (bases 1 to 1740) AUTHORS Cao, Z. Interleukin-1 receptor accessory proteins, nucleic acids and	Qy 1116 TTTCTGATGGATTCTCGCAATGAGGTTTGGTGGACCATTGATGAAAAAAACCTGATGAC 1175	Qy 816 AAACCGACTATCACTTGGTATATGGGCTGTTATAAATACAAATTTAATAATGAATA 875	INFO CONTROL C	Db 273 CACTTCTTGAAATTCAACTACAGCCACTCAGCCATTCAGCTTGCCCCGAGAACCGC 575 Oy 516 TGGACTTAAGCAGGACCGGGACCTTGAGGAGCCAATTAACTTCCGCCCCGAGAACCGC 575 Db 333 TGGACTAGGAGACCGGGACCTTGAGGAGCCAATTAACTTCCGCCTCCCCGAGAACCGC 392 Oy 576 ATTAGTAAGGAGAAAGATGTCCTGTGAGGAGCCCACTCTCCTCAATGACACTGGCAAC 635 Db 393 ATTAGTAAGGAGAAAGATGTGCTGTGGTTCCGGCCACTCTCCTCAATGACACTGGCAAC 635 Oy 636 TATACCTGCATGTAAAGGAAACACTACATATTGCAACTTGCAATTTACCTTCGGAAAGTT 695

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                                            AATGAGGTTTGGTGGACCATTGATGGAAAAAAACCTGATGACATCACTATTGATGTCACC 1193
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                                           AGTGATGCCTCAGAACGCTGCGATGACTGGGGGACTAGACACCATGAGGCAAATCCAAGTG
                                                                   AGTGATGCCTCAGAACGCTGCGATGACTGGGGGACTAGACACCATGAGGCAAATCCAAGTG
                                                                                               TCTCAAAGGATGACACTTCTGTGGTGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAA
                                                                                                                                                      Conservative
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49.0%;

Score 1056.8; DB 9 Pred. No. 4.4e-210; 0; Mismatches 2;

DB 9;

Indels Length 1740

0

Gaps

0

473 120 413 60 35 3 <u>°</u>.

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1/40)
Huang, J., Gao, X., Li, S. and Cao, Z.
Recruitment of IRAK to the interleukin 1 receptor complex requires interleukin 1 receptor accessory protein
Proc. Natl. Acad. Sci. U.S.A. 94 (24), 12829-12832 (1997)
9905879
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Huang, J., Gao, X., Li,S. and Cao, Direct Submission Submitted (07-007-1997) Biology, South San Francisco, CA 94080, U
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Homo sapiens IL-1 receptor accessory protein mRNA,
AF029213
AF029213.1 GI:2599126
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/product="IL-1 receptor accessory protein"
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NGRTTFLLTRTLTVKVVGSPKNAPPVHSPDDLTVVYEKFELDES
RNEWWTIDGKKPDJTIDVTINESISHSRTEDETRTQILSIKKTYSEDLKRSYVCHA
RSAKGEVAKAAKVKQKVPAPRYTVELACGFGATVLLVVILIVVYHVYWLEMVLFYRAH
FGTDETILDGKEYDIYVSYARNAEEEEFVLLTLRGVLENEGYKLCIFDRDSLPGGIV
TDETLSFIQKSRRLLVVLSPNYVLQGTQALLELKAGLENMASRGNINVILVQYKAVKE
TKVKELKRAKTVLTVIKWKGEKSKYPQCRFWKQLQVAMPVKKSPRRSSSDEQGLSYSS
LKNV"
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|mol_type="mRNA"
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Sequence 20 :
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Homo sapiens (human)
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Methods for screening using interleuk.
complex
Patent: WO 02095414-A 20 28-NOV-2002;
WARNER-LAMBERT COMPANY (US)
Location/Qualifiers
1. 1713
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  CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAATGCA
                                                                                                         CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAATGCA
                                                                                                                                         TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC
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/mol_type="unassigned DNJ
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עם ע	Query Ma Best Loc Matches	mi OBIGIN				•	CDS	FEATURES sou	REFERENCE AUTHORS TITLE	SOURCE	DEFINITION ACCESSION VERSION	Ω H	Ag Ag	dd Vy	Db Qy	Qy Db
303 ATGACACTTCTGTGGTGTGAGTGAGTCTTCTACTTTTATGGAATCCTGCAAAGTGATGCC 362	y Match Local Similarity 99.8%; Pred. No. 3.4e-208; hes 1049; Conservative 0; Mismatches 2; Indels 0; Gaps 0;	sc_feature	HPOLIQLKESVEFVEWKEEKSKHGSGSKFWKALRIALDLRSILGASSGRWEECSSQSDIS IDHVQRRRSRLKEPPELQSSERAAGSPPAPGXMSXHRGKSSATCRCCVTYCEGENHLR NKSRAEIHNQPQWETHLCKPVPQESETQWIQNGTRLEPPAPQISALALHHFTDLSNNN PRYLL"	RIBYMWITLDGKKEDDITIDVTINESISISHSRTBDETRQILGIKKVTSBDLKKSYVCHA RIBYMWITLDGKKEDDITIDVTINESISISHSRTBDETRQILGIKKVTSBDLKKSYVCHA RSAKGEVAKAAKVKQKVPAPRYTVELIACGFGATVLLVVILIVVYHVYMLBMVLFYRAH FGTDETILDGKEYDIYVSYARNAEBBEFVLLTKGVLENEFGYKLCITDRDSLEGGNT VERVYEDETATOR SEDMITVIK SEDNYTBKF SINIFEKT (SVENOKONSIATET)TVATVAVBLEHE	/ CLAIMLIA CLOIF 'NI LIMY VASH FIGURAS EKUDMOHILIKKY ÇYE EDEFAK IKOPLEHERIKEN TÜNÜN KORVANDEN KORVANDEN KEEDEN INKELEVIKER KEKKUVIKER PTILUDTGNYTCMLRNTTYCSKVA FPLEVVÕKDSCENSPMKLPVHKLY I EYGIQRITC PTILUDTGNYTCMLRNTTYCSKVA PPLEVVÕKDSCENSPMKLPVHKLY I EYGIQRITC PTILUDTGNYTCMLRNTTYCSKVA KORVANDEN KORVANDEN KORDOHILIKKY ÇYE EDEFAK VOTDEN KORVANDEN KO	/codon start=1 /protein_id="CAD87724.1" /protein_id="CAD87724.1" /db_xrefe"GI.29538643"	/organism="nomo bapraism" /mol type="unnassigned D /db_xref="taxon:9606" 12064 /note="unnamed protein	IMMUNEX CORPORATION (US) Location/Qualif rce 12064	Sime, J.E. and Smith, D.E. Sine J.E. and Smith, D.E. 11-1 receptor accessory protein	Homo sapiens (human) IISM Homo sapiens Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	Sequence 1 from Patent W002064630. AX704564 AX704564.1 GI:29538642	N 94300	1323 GTTGCCAAAGCAGCCAAGGTGAAGCAGAAAG 1353 	1263 GTTACCTCTGAGGATCTCAAGCGCAGCTATGTCTGTCATGCTAGAAGTGCCAAAGGCGAA 1322	1203 AGTATAAGTCATAGTAGAACAGAAGATGAAACTAGAACTCAGATTTTGAGCATCAAGAAA 1262 	1143 TGGTGGACCATTGATGGAAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA 1202
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13 1 BD231181 2733 bp DNA linear PAT 17-JUL-2003 1CON Antagonist based on receptor and prepration and utilization methods. 2N BD231181 2N BD231181 3N BD231181 3N BD231181	1323 GTTGCCAAAGCAGCCAAGGTGAAGCAGAAAG 1353 	1263 GTTACCTCTGAGGATCTCAAGCGCAGCTATGTCTGTCATGCTAGAAGTGCCAAAGGCGAA 1	1203 AGTATAAGTCATAGTAGAACAGAAGATGAAACTAGAACTCAGATTTTGAGCATCAAGAAA 	1143 TGGTGGACCATTGATGGAAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA 1 	1083 GAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT 1142	1023 GTGCCCCCTGTGATCCATTCACCTAATGATCATGTGTCTATGAGAAAGAA	963 CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGGT	903 ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA	843 TGTTATAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC		723 CCCATGAAACTCCCAGTGCATAAACTGTATATAGAATATGGCATTCAGAGGATCACTTGT	663 TATTGCAGCAAAGTTGCATTTCCCTTGGAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC	603 TTCCGGCCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAGGAACACTACA	543 GAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAGTAAGAAGAAAGA	483 GCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAAGCAGGACCGGGACCTTGAG	423 GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA

		843 TGTTATAAAATACAGAATTTTAATAATGTAATACCCCGAAGGTATGAACTTGAGTTTCCTC 902	Qy
		481	Db
	 .	783 CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC 842	Qy
	,	723 CCCATGAAACTCCCAGTGCATAAACTGTATATAGAATATGGCATTCAGAGGATCACTTGT 782	Qy Db
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FEATURES		7 543 GAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAAGTAAG	80
AUTHORS Stahl, N TITLE IL-4 tr JOURNAL Patent:		/ 483 GCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAAGCAGGACCGGGACCTTGAG 542	dg VQ
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DEFINITION Sequence		1 ATGGTGCTTCTGTGGTGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC	ДЬ
T 14 431		303 ATGACACTICTGTGGTGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC	. Q
		Query Match 48.4%; Score 1043; DB 6; Length 2733; Best Local Similarity 99.5%; Pred. No. 3.4e-207; Matches 1046; Conservative 0; Mismatches 5; Indels 0; Gaps 0;	M Be
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Qy 1203 AGTAI		FH Key Location/Qualifiers FT CDS (1), (2730).	
Db 841 TGGTC		CC Antagonist based on receptor and prepration and utilization	
Qy 1143 TGGT		PC A6LK38/00,A6lP19/10,A6LP35/00,(C1ZPZ1/0Z,C1ZK1:91),C1ZN15/00, PC C1ZPZ/00,	
781		PC C12N15/09,C07K14/715,C07K19/00,C12N1/19,C12N1/21,C12N5/10, PC C12P21/02//	
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Db 661 CGTA		COMMENT OS HOMO SADIENS (human)	COM
QY 963 CGTA	Б	AUTHORS Stahl, N. and Yancopoulos, G.D. and prepration and utilization methods ITITLE Antagonist based on TATAGE Antagonist based on TATAGE 2002.	T I A
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i	CDS	AUTHORS TITLE JOURNAL FEATURES Source	ACCESSION VERSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE	RESULT 14 CQ796431 LOCUS	Qy 132 Db 102	Qy 12 Db 9	Qy 12 Db 9	Оу 11 Db 8	Qy 10 Db 7	Qy . 10 Db 7	Qу 9 Db 6	Qу 9 рь 6	Db 5
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1203 AGTATAAGTCATAGTAGAACAGAAGATGAAACTAGAACTCAGATTTTGAGCATCAAGAAA 1262	1143 TGGTGGACCATTGATGGAAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA 1202 	1083 GAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT 1142	1023 GTGCCCCCTGTGATCCATTCACCTAATGATCATGTGGTCTATGAGAAAGAA	963 CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAATGCA 1022 	903 ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA 962 	843 TGTTATAAAATACAGAATTTTAATAATGTAATACCGGAAGGTATGAACTTGAGTTTCCTC 902 	783 CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC 842	723 CCCATGAAACTCCCAGTGCATAAACTGTATATAGAATATGGCATTCAGAGGATCACTTGT 782 	663 TATTGCAGCAAAGTTGCATTTCCCTTGGAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC 722	603 TICCGGCCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAGGAACACTAĆA 662 	543 GAGCCAATTAACTTCCGCCTCCCCCGAGAACCGCATTAGTAAGGAGAAAGATGTGCTGTGG 602	483 GCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAAGCAGGACCGGGACCTTGAG 542	423 GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA 482 	363 TCAGAACGCTGCGATGACTGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTGAAGAT 422 	303 ATGACACTTCTGTGGTGTGTAGTGAGTCTCTACTTTATGGAATCCTGCAAAGTGATGCC 362	Query Match 48.4%; Score 1043; DB 6; Length 2733; Best Local Similarity 99.5%; Pred. No. 3.4e-207; Matches 1046; Conservative 0; Mismatches 5; Indels 0; Gaps 0;	DYYSVENPANKRRSTLITVLNISEIESRFYKHPFTCFAKNTHGIDAAYIQLIYFVTNS GDKTHTCPPCPAFELLGGBSVFLFPPKBKDTLMISRTEEUTCVVUDVSHEDPEVKENW YVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKT ISKAKGQPEEPGVYTLPPSREEMTKNQVSLITCLVKGFYPSDIAVEWESNGQPENNYKT TPFVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK"
Qy 843 TGTTATAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC 902	Qy 783 CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC 842	Qy 723 CCCATGAAACTCCCAGTGCATAAACTGTATATAGAATATGGCATTCAGAGGATCACTTGT 782	Qy 663 TATTGCAGCAAAGTTGCATTTCCCTTGGAAGTTGTTCAAAAAAAA	Qy 603 TTCCGGCCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAGGAACACTACA 662	Qy 543 GAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAGTAAGGAGAAGATGTGCTGTGG 602	Qy 483 GCCCATTCAGCTGGCCTTACTCTGATCTGGACTAAGCAGGACCGGGACCTTGAG 542	Qy 423 GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA 482	OY 363 TCAGAACGCTGCGATGACTGGGGACTAGACACCATGAGGGCAAATCCAAGTGTTTGAAGAT 422	QY 303 ATGACACTTCTGTGGTGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC 362	Query Match 48.4%; Score 1043; DB 6; Length 2733; Best Local Similarity 99.5%; Pred. No. 3.4e-207; Matches 1046; Conservative 0; Mismatches 5; Indels 0; Gaps 0;	/organism="unknown" /mol_type="genomic DNA" ORIGIN	TITLE Receptor based antagonists and methods of making and using JOURNAL Patent: US 6472179-A 27 29-OCT-2002; FEATURES Location/Qualifiers	ORGANISM Unknown. ORGANISM Unknown. Unclassified. REFERENCE 1 (bases 1 to 2733)	ACCESSION AR242283 VERSION AR242283.1 GI:27288133 KEYWORDS GUINGE University	AR242283	QY 1323 GTTGCCAAAGCAGCCAAGGTGAAGCAGAAAG 1353 Db 1021 GTTGCCAAAGCAGCCAAGGTGAAGCAGAAAG 1051	Db 901 AGTATAAGTCATAGTAGAACAGAAGAACAAGAACTCAGATTTTGAGCATCAAGAAA 960 Qy 1263 GTTACCTCTGAGGATCTCAAGCGCAGCTATGTCTGATGCTAGAAGTGCCAAAGGCGAA 1322

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1262	AGTATAAGTCATAGTAGAACAGAAGATGAAACTAGAACTCAGATTTTGAGCATCAAGAAA	1203	γQ
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1202	TGGTGGACCATTGATGAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA	1143	γQ
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962	ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA	903	Ş
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ALIGNMENTS

RESULT 1
AAV23659
ID AAV2

AAV23659 standard; cDNA; 2155

ΒP

Interleukin-1 receptor accessory molecule; IL-1R AcM; human; signal transduction; infection; septic shock; inflammation;

rheumatoid arthritis; therapy; ds

Human interleukin-1 receptor accessory molecule cDNA

17-AUG-1998 AAV23659;

(first entry)

FREXSXXXXX Claim 2; Fig 1; 95pp; English Nucleic acid encoding interleukin-1 receptor accessory protein - used for therapeutic modulation of IL-1 activity. WPI; 1998-230267/20. P-PSDB; AAW53897. mat_peptide sig_peptide CDS Homo sapiens Bednarik DP, Olsen HS, 26-AUG-1996; 05-MAR-1998. W09808969-A1 26-AUG-1996; (HUMA-) HUMAN GENOME SCI 96WO-US013954. 96WO-US013954 /*tag= a 303. .353 /*tag= b 354. .1370 /*tag= c Location/Qualifiers 303. .1373 INC. Rosen CA;

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GTCCGCTTTGGCCAGAGGCGCGGAAGGAAGCAGTGCCCGGCGAC 16	Query Match 93.6%; Score 2017.6; DB 10; Length 2035; Best Local Similarity 99.8%; Pred. No. 0; Matches 2031; Conservative 0; Mismatches 4; Indels 1; Gaps 1;	Sequence 2035 BP; 668 A; 406 C; 395 G; 566 T; 0 U; 0 Other;	markers allow the cause of hepatic fibrosis to be clarified (diagnostic precision), so more suitable treatments can be developed and given.	(ADF90539-ADF90871) and related proteins (ADF90872-ADF90917). The sequences are useful for detecting and treating hepatic fibrosis caused by alcohol consumption, virus infection, etc., and the associated chronic by alcohol consumption, virus infection, etc., and the associated chronic	The present invention relates to hepatic-fibrosis disease markers	Claim 1; SEQ ID NO 325; 313pp; Japanese.	XX PT Hepatic fibrosis disease markers comprising polynucleotides or PT antibodies, useful for improved diagnosis, screening and developing drugs PT to treat hepatitis. To control cirrhosis and carcinoma	WPI; 2003-821598/77.	(SUMU) SUMITOMO SEIYAKU KK.	11-MAR-2002; 2002JF-00065013.	11-MAR-2002; 2002JP-00065013.	16-SEP-2003.	JP2003259877-A.	Homo sapiens.	Hepatic fibrosis; marker; chronic hepatitis; liver cirrhosis; hepatic carcinoma; human; ds.	Human hepatic-fibrosis disease marker SEQ ID 325.	26-FEB-2004 (first entry)	ADF90863;	90863 ADF90863 standard; DNA; 2035 BP.	ILT 2	2100 GGAAATTATAAAGCCTTCTTGTCAGAAGTGCTGCTCCTAAAAAAAA		40 ATTITAAATGGTATACACATGATTGTTGTTGATAGTACTATATTGTTCTACAATAAAT	1980 AAGCAGGTTTATAATATACCAGCAGCCACAATTGCTAAAATGAAAATCATTTAAATTATG 2039 	1920 TGTTTATTTTCCAAAAATGCATAATTATAATATTATTTAAACACTATGTATCAATATTT 1979	920 TGTTTATTTTCCCAAAATGCATAATTATAATATTATTTAAACACTATGTATCAATATTT	1861 GTTGTAAAACATTATTAATAGCAGCCATCCAATTGTATGC-AACTAATTAAGGTATTGAA 1919 	1801 TGAACAAATAACAGAAAGGGAATTATATACCTTTTAATATTATTAGAAGCATTATCTGTA 1860	
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virucide; interleukin-1; IL-1 receptor accessory protein; ds.
                                            Unidentified.
Location/Qualifiers
207. .1919
                                                                                           IL-1Rac;
                                                                                           gene;
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WO2002101015-A2.

/*tag= a /product= "IL-1Rac

protein"

19-DEC-2002

11-JUN-2002; 2002WO-US018346

11-JUN-2001; 2001US-0297305P

(INTE-) INTERLEUKIN GENETICS INC

Dower GW;

P-PSDB; WPI; 2003-148793/14. DB; AAE33567.

New detection reagent, useful for monitoring molecular assembly events to permit the dissection of genetic and non-genetic influences on biological activity, comprises an interactive sensor pair.

Disclosure; Fig 9; 56pp; English.

monitoring molecular assembly events. It also relates to a detection reagent comprising an interactive sensor pair. The detection reagent is useful for monitoring molecular assembly events to permit the dissection of genetic and non-genetic influences on a particular biological activity. The method is useful for linking genetic variations to molecular and physiological events, drug screening, diagnostics, therapy selection and dosing, patient monitoring or environmental safety. The interactive sensor pairs may be used to screen for and identify novel agonists and antagonists or other molecules that modulate a biological activity. The method is also useful for selecting an appropriate targeted therapeutic for a subject having an infection, including viral, bacterial or fungal infection. It is also used in gene therapy. The present sequence is interleukin-1 receptor accessory protein (IL-lac) gene. This sequence is used to illustrate the method of the invention The invention relates to methods, compositions and apparatus

Sequence 4724 BP; 1422 A; 902 C; 902 G; 1498 T; 0 U; 0 Other;

Similarity

57.7%; 99.8%;

DB 10;

Length

4724;

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                                                                                                                                                                                                                                                                                                                                                                                                                                  TGTGTTGTTACATATCCAGAAAATGGACGTACGTTTCATCTCACCAGGACTCTGACTGTA
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26-AUG-2004 ADP13278

(first

entry

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61

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Matches 1255; Query Match

Conservative

0,

57.7%; 99.8%;

Score 1242.8; Pred. No. 1.3e 0; Mismatches

.3e-279;

DB 12;

Length

4724; 나,

Gaps

Best Local Similarity

Sequence 4724 BP; 1422 A; 902 C; 902 G; 1498 T; 0 U; 0 Other;

ftp.wipo./pub/published_pct_sequences).

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121

ATCGTCATGTGATCACCTAAGAACTAGAACATCAGCAGGCCCTTAGAAGCCTCACTC

275 179

120 215 60 155

GGCGACACTGCACCCATCCCGGCTGCTTTTGCTGCGCCCTCTCAGCTTCCCAAGAAAGGC GGCGACACTGCACCCATCCCGGCTGCTTTTGCTGCGCCCCTCTCAGCTTCCCAAGAAAGGC

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The invention relate to a method of diagnosing (M1) non-blood disease could tumor by providing peripheral blood sample of human having conn-blood disease, and comparing an expression profile of specific genes control of the peripheral blood sample to reference expression profile of the genes control of the genes is differentially expressed in peripheral blood mononuclear cells (PBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing compared to PBMCs of normal humans. The method is useful for diagnosing compared to PBMCs so normal humans. The peripheral blood compared to PBMCs as solid tumor. The solid tumor is chosen from creating cell carcinoma (RCC), prostate cancer and head/neck cancer. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample is a whole blood sample (claimed) (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples contained to a gene that contained or the sequence is not given as part of the method of the invention. CC for wins sequence corresponds to a gene that contained from WIPO in electronic format at
                                                                                                                                                                                                                                                                                                                                                                                          Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes
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(TWIN/) TWINE N
(BURC/) BURCZYNS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RS.
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BURCZYNSKI M

TREPICCHIO W

DORNER A.

STOVER J A.

SLONI D K.
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2003US-0459782P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Trepicchio WL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dorner
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                                                                                     AGAACTCAGATTTTGAGCATCAAGAAAGTTACCTCTGAGGATCTCAAGCGCAGCTATGTC 1295
                                                                                                                                                                                     ATCACTATTGATGTCACCATTAACGAAAGTATAAGTCATAGTAGAACAGAAGATGAAACT 1235
                                                                                                                                                                                                                                                                           TTTCTGATGGATTCTCGCAATGAGGTTTGGTGGACCATTGATGAGAAAAAAACCTGATGAC 1175
                                                                                                                                                                                                                                                                                                                                                                        GTGGTCTATGAGAAAGAACCAGGAGAGAGGAGCTACTCATTCCCTGTACGGTCTATTTTAGT 1115
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                                                                                                                                                    ATCACTATTGATGTCACCATTAACGAAAGTATAAGTCATAGTAGAACAGAAGATGAAACA 1139
                                                                                                                                                                                                                                                 TTTCTGATGGATTCTCGCAATGAGGTTTGGTGGACCATTGATGGAAAAAAACCTGATGAC
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This sequence represents the human interleukin-1 receptor accessory protein (IL-1RacP) cDNA of the invention. The interleukin receptor accessory protein (IL-1RacP) and its modulators (agonists/antagonists) accessory protein of result in ligand-independent induction of an NF-kappaB adent luciferase reporter gene in 293 cells, however coexpression of both proteins resulted in a 29-fold increase in accident author of NF-kappaB activity to a level comparable to that induced by IL-1. These data suggest that aggregation of IL-1RACP as a comparable to that induced by the NF-kappaB activation. Modulation of signal transduction involving NF-kappaB activation. Modulation of signal transduction involving NF-kappaB in a cell may be achieved by modulating the activity of IL-1RACP using binding agents such as agonists and antagonists. Hybridisation comprobes to the cDNA sequence can be used to identify wild-type and mutant IL-1RACP alleles in clinical and laboratory samples. Mutant alleles are used to generate allele-specific oligonucleotide (ASO) probes for high-clinical to modulate cellular expression or intracellular concentration or availability of active IL-1RACP. This invention also comprises a method of interlaukin reconstruct accessory no livenshide (II-1.1RaCP) to a hinding target transdulates the interaction of an hinding target.
                 S
                                                          Query Match
Best Local Similarity
Matches 1058; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Isolated polypeptide designated interleukin receptor accessory polypeptide is useful for regulating cell function.
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P-PSDB; AAU09966.
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                                                                                                                             Sequence 1740 BP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 11; Fig 2; 21pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16-DEC-1997;
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                                                                                                                                                           interleukin receptor accessory polypeptide (IL-1RacP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (TULA-)
                294 TCTCRAAGGATGACACTTCTGTGGTGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAA
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IL-1RI; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              interleukin-1 Receptor accessory protein (IL-1R
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                                                              Conservative
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10. 1722
/*tag= a
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/product= "IL-1 Receptor
                                                                                                                             518 A;
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                                                                           49.0%;
                                                                                                                             360 C; 411 G; 451 T; 0 U;
                                                       Score 1056.8;
Pred. No. 2.4e.
0; Mismatches
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nes 2;
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                                                                            ATTAACGAAAGTATAAGTCATAGTAGAACAGAAGATGAAACAAGAACTCAGATTTTGAGC
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                                                                                                                                                                                                                                    Interleukin 1; human; interleukin1; IL-1; IL-1-receptor; IL-1R; ds;
IL-R accessory protein; IL-RAcP; protein-protein interaction; gene.
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                                                                                                                                                                                                18-MAY-2001; 2001GB-00012251
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Determining ability of test compound to modulate formation of interleukin soluble trimolecular complex, by bringing into contact the components of the complex and test compound and determining amount of complex formed.

Example 2; Page 150-151; 171pp; English.

This invention relates to a novel assay for determining the ability of a test compound to modulate the formation of a trimolecular complex (TC) including interleukin (II), a soluble IL-receptor (IL-R) polypeptide and a soluble IL-R accessory protein (IL-RACP). The method comprises bringing into contact an IL polypeptide, a soluble IL-R polypeptide, a soluble IL-RACP) enterential the method of the invention is useful for determining the ability of a test compound to modulate the formation of a trimolecular complex (C) of a test compound to modulate the formation of a trimolecular complex cincluding IL, a soluble IL-R and a soluble IL-RACP. The method is useful for high throughput screening and enables direct measurement of protein complex in this tors of TC and hence of IL-I biological activity. The method may be useful for identifying small molecule inhibitors of TC and hence of IL-I biological activity. The method may be considered in screening methods and assays for agents which modulate the constant advantage over prior methods since it is possible conducted in the production cost of production of such compounds compared to the production cost of production of such compounds compared to the production cost of recombinant proteins. The method is the case with which these reagents enable the formatting and running of High constants enable the formate in the method is the sequence encoding an interleukin I family protein used in the method of the invention

Sequence 1713 BP; 504 A; 358 C; 404 G; 447 T; 0 U; 0 Other

멍 Ś Ś 밁 Ś Query Match Best Local Similarity Matches 1049; Conserv 423 363 61 TCAGAACGCTGCGATGACTGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTTGAAGAT GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA ATGACACTTCTGTGGTGTGAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC TCAGAACGCTGCGATGACTGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTGAAGAT ATGACACTTCTGTGGTGTGTAGTGAGTCTCTACTTTTATGGAAATCCTGCAAAGTGATGCC Conservative 48.6%; 0 Score 1047.8; DB Pred. No. 3e-234; 0; Mismatches BB Ņ 8 Indels Length 1713; 0 Gaps 482 422 60 0

ABX12962 ID ABX1 XX

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standard;

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RESULT 6

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ABQ81182
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                    Human IL-1 receptor accessory protein splice variant coding sequence.
                                                          29-NOV-2002
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                                                                                                                                                                                                                                                                                                            GTTACCTCTGAGGATCTCAAGCGCAGCTATGTCTGTCATGCTAGAAGTGCCAAAGGCGAA
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Query Match
Best Local Similarity
Matches 1049; Conserv

Conservative

0,

Score 1047.8; Pred. No. 3.2e. 0; Mismatches

Indels Length

0;

Gaps

60 362 0

303

ATGACACTTCTGTGGTGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC

Sequence

2064 BP;

585 A; 463 C; 48.6%;

476 G; 540 T; 0 U; 0 Other; 8; DB 6; 3.2e-234; hes 2;

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The present sequence is the coding sequence of a human interleukin 1 (IL-CC 1) receptor acceptor protein (IL-IR ACP) splice variant. This native CC human sequence includes a polymorphism at an approximately 50/50 ratio. CC This exists as an A or C at position 1792 of the coding sequence, cc assists as an A or C at position 598 of the IL-IR ACP protein (see CC ABB79891). The IL-IR ACP splice variant protein is a type I transmembrane CC protein that is homologous to IL-IR type I. It shares 83% amino acid sequence (amino acids 449-687). Polymorlectides comprising the present CC sequence (amino acids 449-687). Polymorlectides comprising the present CC sequence (amino acids 449-687). Polymorlectides comprising the present CC sequence in which nucleotide 1792 is A or C, and which encode polypeptides comprising amino acids 384-687, 379-687 or 449-687 of human CL TAR ACP splice variant, or a polypeptide that interacts with a signal CC well as the encoded polypeptides, antibodies, a process for preparing the polypeptides, and a method of using the polypeptides to screen for an CC agonist or antagonist of IL-I. Agonists or antagonists of IL-I are useful CC for treating inflammatory disease), osteoporosis, autoimune disease, Crohn's cultors autoimune disease, Crohn's cultors and colitis, idiopathic gastroparesis, pancreatitis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Interleukin-1; receptor; accessory protein; IL-1R AcP; splice variant;
human; immunosuppressive antiinflammatory; antiulcer;
single nucleotide polymorphism; SNP; gene; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New interleukin 1 (IL-1) Receptor Accessory Protein (IL-1R AcP) splice variant protein, useful for screening for modulators of IL-1, or for treating or preventing e.g. Crohn's disease, ulcerative colitis or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sime JE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31-OCT-2000; 2000US-0244831P
                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 1; Page 3-4; 60pp; English
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                                                                      GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA
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                                    GCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAGGCAGGACCGGGACCTTGAG
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AAT32027

standard; cDNA; 1077 BP.

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GAGCCAATTAACTTCCGCCTCCCCCGAGAACCCGCATTAGTAAGGAGAAAGATGTGCTGTGG

602 240 542 482

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Query Match 48.1
Best Local Similarity 99.7
Matches 1048; Conservative
                                                                                                                                                                                                                                                                           A cDNA clone (AAT32027) codes for a soluble form (AAW01912) of the human interleukin-I receptor accessory protein (II-IR AcP), a protein that inhibits the ability of II-I to bind to, or otherwise activate III-IR, esp. the Type 1 II-IR. It was obtd. by PCR amplification (see also AAT32029-30) of cDNA (AAT32026) coding for the extracellular domain of II-IR AcP (AAW01911). The soluble protein was expressed in Sf9 insect cells using a baculovirus system. It can be used to treat or prevent the inflammatory or immunological activities of II-1, and also to screen for
                                                                                                                                                                                                    Sequence 1077 BP; 326 A; 234 C; 232 G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Isolated interleukin-1 receptor accessory protein - used prods to treat or prevent inflammatory or immunological
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 9; Page 80-81; 115pp; English.
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ATGACACTTCTGTGGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC
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Pred. No. 5.9e-234;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Sim
Matches 1048;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Treating interleukin (IL)-1-associated disorders such as rheumatoid arthritis, myocardial infarction, inflammatory bowel disease, asthma and/or pancreatitis, by administering IL-1 receptor and IL-receptor accessory protein.
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          TTCCGGCCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAGGAACACTACA
                                     TTCCGGCCCACTCTCCTATGACACTGCAACTATACCTGCATGTTAAGGAACACTACA
                                                                                    GAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAGTAAGGAGAAAGATGTGCTGTGG
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/product= "Soluble IL-1AcP"
/note= "No stop codon"
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                                                                                                                       CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC
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ACCA Ş 밁 밁 Š 片 Ş , 당 Ś 밁 Ś 밁 Ś 밁 δ S Treating interleukin (IL)-1-associated disorders such as rheumatoid arthritis, myocardial infarction, inflammatory bowel disease, asthma and/or pancreatitis, by administering IL-1 receptor and IL-receptor accessory protein. Human; interleukin-1 accessory protein; IL-1AcP; antagonist; antirheumatic; antiarthritic; nootropic; neuroprotective; vasotropic; cerebroprotective; cardiant; antiinflammatory; antiasthmatic; gene; ss. 07-AUG-2001; 2001US-0310789P. 07-AUG-2002; 2002WO-US024948 Human 11-AUG-2003 ACC48598 standard; cDNA; 1713 WPI; 2003-256566/25. P-PSDB; ABR41898. WO2003014309-A2 (VMMI) 1021 1263 1203 1143 1083 1023 댎 901 841 661 961 781 721 963 601 903 interleukin-1 accessory protein coding sequence IMMUNEX CORP GTTGCCAAAGCAGCCAAGGTGACGCAGAAAG сттессилисскоссинестелисивания 1353 GTTACCTCTGAGGATCTCAAGCGCAGCTATGTCTGTCATGCTAGAAGTGCCAAAAGGCGAA 1322 AGTATAAGTCATAGTAGAACAGAAGATGAAACTAGAACTCAGATTTTGAGCATCAAGAAA 1263 TGGTGGACCATTGATGGAAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA GAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAATGCA 1022 AGTATAAGTCATAGTAGAACAGAAGATGAAACAAGAACTCAGATTTTGAGCATCAAGAAA TGGTGGACCATTGATGGAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA GAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAATGCA ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA Smith DE; (first 1. .171 /*tag= Location/Qualifiers
1. .1713 /*tag= a /product= "IL-1AcP" entry) ВP 1051 900 1202 1142 840 780 660

Disclosure; Page 33-39; 45pp; English.

The present sequence is the coding sequence for human interleukin-1 (II-CC I) accessory protein (II-A&P). The invention is based in part on the CC discovery that soluble II-I&CP enhances the inhibitory ability of II-1 CC receptor (II-IR) and particularly type II II-IR. A method is provided for CC treating disorders associated with II-I mediated inflammatory or CC immunoregulatory reactions involving the administration of an II-1 CC antagonist or inhibitor. Preferred methods use a type II II-IR in a form CC that binds II-1, including II-1 beta and II-1 alpha, in combination with CC II-IACP in a form that enhances the binding of type II II-IR to II-1 beta CC and II-1 alpha. The combination results in an enhanced ability of type II CI-IR to block II-1 signal transduction, thereby interrupting the CC proinflammatory and immunoregulatory effects of II-1. Preferred forms of CC be used to treat a patient afflicted with rheumatoid arthritis, CC Alzheimer's disease, stroke, head trauma, myocardial infarction, heart CC failure, periodontal disease, inflammatory bowel disease, asthma or CC pancreatitis (all claimed)

Sequence 1713 BP; 502 A; 358 C; 405 G; 448 T; 0 U; 0 Other;

Query Match Best Local S

Similarity

48.5%;

le-234;

DB 9;

Length 1713;

Ś Ş 망 Ś 당 S 밁 Ş 밁 S 멼 S 밁 Ś 뮍 Ş 밁 5 뮍 망 S Matches 1048; 303 ATGACACTTCTGTGGGTGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC 963 903 843 481 783 421 723 361 663 301 603 241 543 181 483 121 423 363 61 Н ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC CCCATGAAACTCCCAGTGCATAAACTGTATATAGAATATGGCATTCAGAGGATCACTTGT CCCATGAAACTCCCAGTGCATAAACTGTATATAGAATATGGCATTCAGAGGATCACTTGT TATTGCAGCAAAGTTGCATTTCCCTTGGAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC TATTGCAGCAAAGTTGCATTTCCCTTGGAAGTTGTTCAAAAAGACAGCTGTTTCAATTCC TTCCGGCCCACTCTCCAATGACACTGGCAACTATACCTGCATGTTAAGGAACACTACA TICCGGCCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAGGAACACTACA GAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAGTAAGGAGAAAGATGTGCTGTGG GAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAGTAAGGAGAAAAGATGTGCTGTGG GCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAGGCAGGACCGGGACCTTGAG GCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAAGCAGGACCGGGGACCTTGAG GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA GAGCCAGCTCGCATCAAGIGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA TCAGAACGCTGCGATGACTGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTGAAGAT TCAGAAACGCTGCGATGACTGGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTTGAAGAT ATGACACTTCTGTGGTGTAGTGAGTCTCTACTTTTATGGAATCCTGCAAAGTGATGCC ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA Conservative 0 Score 1046.2; Pred. No. 7.1e 0; Mismatches Indels 0; Gaps 422 842 480 782 662 240 180 482 120 60 362 660 962 600 902 540 420 722 360 300 602 542

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CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAATGCA
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                                       ATTIGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA
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22-MAR-2001; 2001US-00787835.
                                                            28-OCT-2002; 2002US-00282162
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New nucleic acid molecules encoding fusion polypeptides capable of binding a cytokine to form a non-functional complex, useful for treating cytokine-related diseases or disorders, e.g. cancer, cachexia, arthritis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 2709 BP;
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ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA
                                                                                        TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC
                                                                                                     TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC
                                                                                                                                       CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC
                                                                                                                                                     CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTTGGTATATGGGC
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                                       ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA
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 The present invention provides a novel fusion polypeptide capable of binding a cytokine to form a nonfunctional complex. The invention is useful for identifying agonists or antagonists of cytokine receptors for treating cytokine-related diseases or disorders e.g. cancer, cachexia, arthritis and osteoporosis. The present sequence is human I Trap mutant DNA. This mutant construct is obtained by insertion of ba
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TCCGGA between the position 1077-1078 of the wild type human DNA. Note: This sequence is not shown in the specification, derived from human wild type IL-1 Trap 823 DNA shown as SEO (Acc No: AAD63748) in figure: 41 of the specification
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                                                  TGGTGGACCATTGATGGAAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA
                                                                                               TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC
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                                    TGGTGGACCATTGATGGAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA
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Pred. No. 4.7e-233;
0; Mismatches 5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAD63749 standard;
The present invention provides a novel fusion polypeptide capable binding a cytokine to form a nonfunctional complex. The invention
                                                                        New nucleic acid molecules encoding fusion polypeptides capable of binding a cytokine to form a non-functional complex, useful for treating cytokine-related diseases or disorders, e.g. cancer, cachexia, arthritis.
                                                                                                                                                               Stahl
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22-MAR-2001; 2001US-00787835.
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                                      5; Fig 42; 300pp; English.
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YANCOPOULOS G
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Best Local Similarity
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US-09-813-669A-5

US-09-183-861-5

US-09-511-974A-5

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US-09-639-206A-5

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2.6 19124 2 US-08-487-826B-13 Sequence 13, 2 2.6 8674 4 US-09-204-865B-13 Sequence 96, 3 55 2.6 500 3 US-08-818-112-101 Sequence 96, 2 55 2.6 500 3 US-08-818-111-96 Sequence 91, 3 55 2.6 500 4 US-09-052-556-101 Sequence 96, 2 55 2.6 500 4 US-09-072-967-101 Sequence 101, 5 55 2.6 500 4 US-09-072-967-101 Sequence 101, 5 55 2.6 500 4 US-09-272-357-116 Sequence 116, 5 55 2.6 500 4 US-09-273-357-116 Sequence 20, 2 55 2.6 1542 4 US-09-273-138-13 Sequence 20, 2 55 2.6 1542 4 US-09-345-473B-13 Sequence 20, 2 55 1378 2 US-08-948-176-20 Sequence 20, 2 55 1378 2 US-08-948-176-20 Sequence 20, 2 55 1517 4 US-09-482-273-68 59 2.5 1300 4 US-09-482-273-68 59 2.5 3300 4 US-09-270-767-5814 Sequence 68, 2 5 4062 4 US-09-270-767-5814 Sequence 2109, 2 5 1463 4 US-09-270-767-270-814 Sequence 2109, 2 5 1463 4 US-09-270-767-270-814 Sequence 2109, 2 5 1463 4 US-09-270-767-270-814 Sequence
.6 19124 2 US-08-487-8268-13 Sequence 13, .6 867 4 US-09-204-865-8 Sequence 9, Al 6 500 3 US-08-818-112-101 Sequence 901, .6 500 3 US-08-818-111-96 Sequence 101, .6 500 3 US-09-056-556-101 Sequence 91, .6 500 4 US-09-072-967-101 Sequence 101, .6 500 4 US-09-072-967-101 Sequence 116, .6 500 4 US-09-273-357-116 Sequence 116, .6 500 4 US-09-270-357-116 Sequence 20, .6 500 4 US-09-270-357-116 Sequence 21, .6 500 3 US-08-98-416-287 Sequence 22, .7 51378 1 US-08-98-416-287 Sequence 20, .7 51378 2 US-09-345-473E-13 Sequence 20, .7 51378 2 US-08-948-176-20 Sequence 20, .7 51378 2 US-08-948-176-20 Sequence 20, .7 51378 4 US-09-404-615-64 Sequence 64, .7 51300 4 US-09-482-273-68 Sequence 68, .7 51300 4 US-09-270-767-21096 Sequence 2109, .5 1463 4 US-09-270-767-21096 Sequence 2109, .5 1
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3, Appl 01, Appl 01, Appl 06, Appl 07, Appl 08, Appl 09, Appl 09, Appl 09, Appl 09, Appl 096,

ALIGNMENTS

US-08-991-944-1

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; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 10..171:
US-08-991-944-1
Query Match
Best Local Similarity
Matches 1058; Conserv
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/991,944
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
PRESENTATION NUMBER: 36,627
PRESENTATION NUMBER: 36,77,014
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Cao, Zhaodan
TITLE OF INVENTION: Interleukin-1 Receptor Accessory Proteins,
TITLE OF INVENTION: Nucleic Acids and Methods
                                                                                                                                                                                                                                                 TELEFAX: (650) 343-4342
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 1740 base pairs
                                                                                                                                                                                                                                                                                                                                                     REFERENCE/DOCKET NUMBER: T9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
ADDRESSEE: SCIENCE & TEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQUENCES:
                                                                                                                                                                                        TYPE: nucleic acid STRANDEDNESS: double TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: CALIFORNIA COUNTRY: USA
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                                                                                                                                                                                                                                                                                                                                    TELEPHONE:
                                                                                                    10..1719
                                                                                                                                                                                                                                                                                                                                    (650) 343-4341
                     49.0%;
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Score 1056.8; DB 3
Pred. No. 4.7e-283;
0; Mismatches 2;
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                                         Length 1740;
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294 TCTCAAAGGATGACACTTCTGTGGTGTGTGTGGTAGTCTACTTTTATGGAATCCTGCAA 353

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                                                                                                                                                                      CCAGGAGAGGAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTTCTGGATTGTTCTCGC
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AMPLICANT: REGENERON PHARMACEUTICALS, INC.

TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING TITLE OF INVENTION: AND USING TITLE OF INVENTION: AND USING TITLE OF INVENTION: AND USING CURRENT APPLICATION NUMBER: U$/09/313,942

CURRENT FILING DATE: 1999-05-19

PRIOR APPLICATION NUMBER: 09/313,942

PRIOR APPLICATION NUMBER: 60/101,858

PRIOR FILING DATE: 1998-09-25

NUMBER: OF SEQ ID NOS: 32

SOFTWARE: FastSEQ for Windows Version 3.0

LENGTH: 2733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) ... (2730)
US-09-313-942-27
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Best Local |
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Patent No. 6472179
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Similarity 99.5%;
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                                                                                                                                        TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC
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                                         ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTACATATCCAGAAAATGGA
                                                               ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA
                                                                                                                TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC
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Pred. No. 4.2e-279;
                                                                                                                                                                                        CCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC
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Quer	US-08-		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	 H	 A	Ω	 Q	~. ~. ~.	0 Z H	; Patent N ; GENERAL ; GENERALIO ; APPLIO	RESULT US-08-9	Ф	95 A	D Q	Db Qy	g &	B 8	Db
Query Match 36.9%; Score 794.2; DB 3; Length 3355;	Y: CDS	nucleic acid DNESS: doub Y: linear	38 £ €	REGISTRATION NUMBER: 36,627 REFERENCE/DOCKET NUMBER: T97-014 TELECOMMUNE: 1670-114 TELECOMMUNE: 1670-114 TELECOMMUNE: 1670-114-11	FILING DATE: CLASSIFICATION: CLASSIFICATION: ATTORNEY/AGENT INFORMATION: NAME: OSMAN RICHARD A	OPERATING SYSTEM: PC-DOS/MS-DOS SOPTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA: APPLICATION DATA: APPLICATION DATA:	EAL O10	5 DENISE DRIVE LISBOROUGH LIFORNIA USA	OF INVENTION: Nucleic Acids and Methods ROF SEQUENCES: 4 SPONDENCE ADDRESS: TECHNOLOGY LAW GROUP	5. 6280955 CANT: Cao, Zhaodan	ရုံ ဖွဲ့ပ	1323 GTTGCCAAAGCAGCCAAGGTGAAGCAGAAAG 1353	1263 GTTACCTCTGAGGATCTCAAGCGCAGCTATGTCTGTCATGCTAGAAGTGCCAAAGGCGAA 1322 	1203 AGTATAAGTCATAGTAGAACAGAAGATGAAACTAGAACTCAGATTTTGAGCATCAAGAAA 1262 	1143 TGGTGGACCATTGATGGAAAAAAACCTGATGACATCACTATTGATGTCACCATTAACGAA 1202 	1083 GAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGAGGTT 1142	1023 GTGCCCCCTGTGATCCATTCACCTAATGATCATGTGGTCTATGAGAAAGAA	
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1319 CGAAGTTGCCAAAGCAGCAAGGTGAAGCAGAAAG 1353	1259 GAAAGTTACCTCTGAGGATCTCAAGCGCAGCTATGTCTGTC	1199 CGAAAGTATAAGTCATAGTAGAACAGAAGATGAAACTAGAACTCAGATTTTGAGCATCAA	1139 GGTTTGGTGGACCATTGATGGAAAAAAACCTGATGACATCACTATTGATGTCACCATTAA 	1079 AGAGGAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTCTGATGGATTCTCGCAATGA	1019 TGCAGTGCCCCCTGTGATCCACTTCACCTAATGATCATGTGGTCTATGAGAAAGAA	959 TGGACGTACGTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAA	899 CCTCATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAA	839 GGGCTGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTT	779 TIGTCCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATAT	719 TTCCCCCATGAAACTCCCAGTGCATAAACTGTATATAGAATATGGCATTCAGAGGATCAC	659 TACATATTGCAGCAAAGTTGCATTTCCCTTGGAAGTTGTTCAAAAAGACAGCTGTTTCAA	599 GIGGTICCGGCCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAGGAACAC	539 TGAGGAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAGTAAGGAGAAAGATGTGCT	479 CACAGCCCATTCAGCTGGCCTTACTCTGATCTGGTATTGGACTAAGCAGGACGGGACCT	419 AGATGAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAG	359 TGCCTCAGAACGCTGCGATGACTGGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTGA 	299 AAGGATGACACTICTGTGGTGTGTGTGAGTCTCTACTTITATGGAATCCTGCAAAGTGA	Best Local Similarity 84.5%; Pred. No. 5.5e-210; Matches 892; Conservative 0; Mismatches 163; Indels

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US-09-173-151A-3
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SOFTWARE: Patent.pm
SEQ ID NO 13178
LENGTH: 229
TYPE: DNA
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US-09-513-999C-13178
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 3, Application US/09173151A
Patent No. 6326472
GENERAL INFORMATION:
APPLICANT: Timans, Jacqueline C.
APPLICANT: Debets, Johannes Edual
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APPLICANT: Duclert, A.
APPLICANT: Giordano, J.Y.
TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
Patent No. 6783961
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 13178, Application US/09513999C Patent No. 6783961
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CURRENT FILING DATE: 2000-02-24
PRIOR APPLICATION NUMBER: US 60/122,487
PRIOR FILING DATE: 1999-02-26
                                                             ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Ve
CURRENT APPLICATION DATA:
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ADDRESSEE: DNAX Rese
                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
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         APPLICATION NUMBER:
FILING DATE: 14-OCT
CLASSIFICATION: 43:
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Similarity 100.0%; F
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California

    Bazan, J. Fernando
    Kastelein, Robert A.
    INVENTION: Human Receptor Proteins; Related Reagents and Methods

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Debets, Johannes Eduard
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                                                  US/09/173,151A
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Pred. No. 3.8e-27;
0; Mismatches 0;
                                                                                       Version
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Best Local Similarity
Matches 329; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER: DX
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650)852-9196
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NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
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LENGTH: 2061 base pair
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FILING DATE: 17-NOV-
PRIOR APPLICATION DATA:
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APPLICATION NUMBER:
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STRANDEDNESS:
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793 ATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGCTGTTATAAAA 852
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DEDNESS: single
                                TCCGCTATTTAGAAAATCTGAAGTCACTAAAAGAAAGGAGATCTCCTGTCCAGACATGG
                                                                     TCCCAGTGCATAAACTGTATATAGAATATGGCATTCAGAGGATCACTTGTCCAAATGTAG 792
                                                                                                                                           AAGTTGCATTTCCCTTGGAAGTTGTTCAAAAAGACAGCTGTTTCAATTCCCCCCATGAAAC
                                                                                                                                                                                                                   CTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAGGAACACTACATATTGCAGCA 672
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                                                                                                        AGGTGTCAATGTCCTTGACTGTTGCAGAGAATGAATCAGGCCTGTGCTACAACAGCAGGA 436
                                                                                                                                                                                  CTGAGGCACAAGACAGTGGATTCTACACTTGTGTTTTAAGGAACTCAACATATTGCATGA
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Pred. No. 3.5e-18;
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RESULT 6
US-09-173-151A-1
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GENERAL INFORMATION:
                                                                                                                                                                                                   PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/062,066

PILING DATE: 15-OCT-1997

ATTORNEY/AGENT INFORMATION:

NAME: Ching, Edwin P.

REGISTRATION NUMBER: 34,090

REFERENCE/DOCKET NUMBER: DX0767X

TELECOMMUNICATION INFORMATION:

TELEPHONE: (650)852-9196
                                                                                                    TELEFAX: (650)496-1200
[INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1737 base pairs
     TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: US 60/065,776
APPLICATION NUMBER: 17-NOV-1997
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60, FILING DATE: 18-MAR-1000 PRIOR APPLICATION NUMBER: US 60, FILING DATE: 18-MAR-1000 Application 18-MAR-1000 PRIOR Application 18-MAR-1000 PRIOR 18-MAR-1000 PRIO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE: 15-APR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 60/078,008
FILING DATE: 12-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/081,883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 17-NO PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Bazan, J. Fernando
APPLICANT: Kastelein, Robert A.
TITLE OF INVENTION: Human Receptor Proteins; Related Reagents and Methods
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: FILING DATE: 15-APP
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STREET: 901 California Avenue CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         853 ТАСАGААТТТТААТААТGТААТАСССGAAGGTATGAACTTGAGTTTCCTCATTGCCTTAA
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Debets, Johannes Eduard Maria
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-OCT-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                          JMBER: US 60/078,416
18-MAR-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Release #1.0, Version
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US 60/095,987
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Best Local Similarity 51.8%;
Matches 307; Conservative
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NAME/KEY: misc_feature

**COATION: 342..343
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OTHER INFORMATION:
FEATURE:
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LOCATION:
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OTHER INFORMATION:
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535 AAGCCAAAAATGTGGAGAAGCATAATAATACAGAAAGGAAATGCTCTTCTGATCCAAGAA
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                                                                                                                                                  786 AATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGCTGT
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                                              TATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTCATT
                                                                                                 GACATGGATGACTTTAAAAAGTCCGATCAGGAGCCTGATGTTGTGTGTATAAGGAATGC
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756..757
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Pred. No. 2.8e-17;
0; Mismatches 271;
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US-09-173-151A-34
                          US-09-173-151A-34
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Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Timans
APPLICANT: Debets
                                                                                                                                                INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 60/U/8, ...
FILING DATE: 12-WAR-1998
PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 60/081,883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US/09/173,1517
FILING DATE: 14-OCT-1998
CLASSIFICATION: 435
PRIOR APPLICATION DATA: 60/065,776
FILING DATE: 17-NOV-1997
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                           ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
                                                                                                                                                                                                                                                                       FILING DATE: 18-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 6
FILING DATE: 15-OCT-1997
                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 60/078,416
                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION DATA:
PRIOR APPLICATION NUMBER: US 60/095,987
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CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE
ADDRESSEE: I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Kastelein, Robert A.
TITLE OF INVENTION: Human Receptor Proteins; Related Reagents and Methods
NUMBER OF SEQUENCES: 36
                                                                              MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT:
                                       NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 15-APR-1998
                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
                                                                                              TOPOLOGY:
                                                                                                                                     ENGTH:
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                                                                                                                      nucleic acid
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California
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                                                                                                                                      2537 base pairs
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Timans, Jacqueline C.
Debets, Johannes Eduard
                                                                                                                                                            (650) 496-1200
(650) TD NO: 34:
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                                                                                                        single
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 4.5%;
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 Score 97;
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Length 2537;
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RESULT 8
US-08-795-088A-1
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GENERAL INFORMATION:
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Matches 278; Conservative
                                                                                          SOFTWARE: PatentIn Release #1.0, CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,086
FILING DATE:
CLASSIFICATION: 435
                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
ATTORNEY/AGENT INFORMATION:
NAME: OSMAI, RICHARD
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: T9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Sul, Hong-Bing
APPLICANT: Goeddel, David V.
TITLE OF INVENTION: Regulators of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQUENCES: 3
                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Science & Technology Law Group
STREET: 75 Denise Drive
CITY: Hillsborough
STATE: California
                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   576 ATTAGTAAGGAGAAAGATGTGCTGTGGTTCCGGCCCACTCTCTCAATGACACTGGCAAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         148 AAAAGTTCTGGTCCTGGAGACTTTGAAGAGCCAATAGCCT-----TTGACGGAAGTAGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       562 TGTGAATTAAAATATGGAG 580
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          502 TTCAAAAGAGATACTCTGCTTATAAGAGAAGTCAGAGAAGATGACATTGGAAATTATACC 561
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     816 AAACCGACTATCACTTGGTATATGGGCTGTTATAAAATACAGAATTTTAATAATGTAATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           382 CTTAGCAAAAGCAAGGAAATTTCATGCCGTGACATAGAGGATTTTCTACTGCCAACCAGA 441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              322 GGTGAAAATGACACTGGACTCTGCTATAATTCCAAGATGAAGTATTTTGAAAAAGCTGAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             262 TACGCCTGTGTCATCAGGAACTCCACTTACTGTATGAAAGTATCCATCTCACTGACAGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             636 TATACCTGCATGTTAAGGAACACTACATATTGCAGCAAAGTTGCATTTCCCTTGGAAGTT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  456 CACTICITGAAATICAACTACAGCACAGCCCATICAGCIGGCCITACTCIGAICIGGIAI 515
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                                                                                                                                                                                                                                                                                                                                                      94010
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GAACCTGAAATCCTTTGGTACAAGGAATGCAGGACAAAAACATGGAGGCCAAGTATTGTA
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                                                                                                                                                                                                                                                                                                                                                                             USA
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     T97-001
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0; Mismatches 275;
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                                                                                                                                                                                                                       Version
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875

501

815

755

321

381

695

261 635 147

87

TELECOMMUNICATION INFORMATION:

343-4341

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TELEPHONE: (650) 343-4341

TELEFAX: (650) 343-4342

INFORMATION FOR SEO ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2045 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-795-088A-1
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NAME/KEY: promoter
LOCATION: (1)..(1141)
THER INFORMATION: consensus sequence of A.t., L.a., and B.n.
US-09-806-708B-22
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                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 97; Conserv
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Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 23
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/806,708B
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: US 60/147,133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: The University of British Columbia TITLE OF INVENTION: Regulation of Embryonic Transcription in FILE REFERENCE: 4810-58741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE: 1999-08-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 LENGTH: 1141
                                                                                                                                                                                                                                                               1366 GTCAGTGATGAATCTCTCAGCTCCAAATTAACATTGTGGTGAATAAGGACAAAAGGAGAG
                                    1546 GATATTGTTAGTACCGTAATGCCCAAATGTAGCTAAAAAAATCGACGTGAGTACAGTGAG 1605
  892
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o. 6784342
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Similarity 68.7%;
92; Conservative
                                                                                                                                                                                                                             GTNRRWCMRTYAMRTWYTRSNANWSCATKBMWWTMKWYATKYRTAWYAMWCAWRNNNMWC
                                                                                                            AAACTTAAATGAAAAATATGAAAGTTTTCATCTATGTAAGATACTCAAAATATTGTTTCT 1545
                                                                                                                                                                                       ATTGAGAACAAGAGCTCCAGCACCTAGCCTGACGGCATCTAACCCCATAGTAATGAATC
                                                                                                                                                    ATNGYAKSCATNNAMWYATTRWAAYAAKWARWAGNNMRMYGAAAGNKWGCMAAMATMGB
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GAHS KRRTRHHTRTCRRTKYNNNNNNARTVYWYHHAARRWMNAWTRTNNNNNNNNNNNNAC
                                                                          WWADTAGKMCNNNNNWTTDVRRMAMKAKNNNNNNAYWTACYNRAATNNKMATHWMKWTH 893
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                                                                                                                                                                                                                                                                                                     2.9%; Score 62; DB 4;
Llarity 12.8%; Pred. No. 5.2e-07;
Conservative 268; Mismatches 387
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Pred. No. 3.4e-08;
0; Mismatches 42;
                                                                                                                                                                                                                                                                                                     387; Indels
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; NAME/KEY: promoter; LOCATION: (1)..(1141)
; OTHER INFORMATION: consensus sequence of A.t., L.a., US-09-806-708B-22
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US-09-806-708B-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/806,708B
CURRENT FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: US 60/147,133
PRIOR FILING DATE: 1999-08-04
NUMBER OF SEO ID NOS: 23
SOFTWARE: Patentin version 3.0
SEO ID NO 22
LENGTH: 1141
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APPLICANT: The University of British Columbia
TITLE OF INVENTION: Regulation of Embryonic T:
FILE REFERENCE: 4810-58741
                                                                                                                                                                                                              Query Match
Best Local (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 22, Application US/09806708B Patent No. 6784342
                                                                                                                                                                                        Matches 114;
                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
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124 RHRYWRWRAMBDTVDHHYVTAMNNAWTIMCMMDKDDKRTRWWWKKNNNATGWDDDTKYHM 183
                                            623 TGACACTGGCAACTATACCTGCATGTTAAGGAACACTACATATTGCAGCAAAGTTGCATT
                                                                                                                                      563 CCCCGAGAACCGCATTAGTAAGGAGAAAGATGTGCTGTGGTTCCGGCCCCACTCTCCTCAA
                                                                                            64 MYCKYRRWYNNKSRWWKGWYKKKWYBCANNTSBRYHARRWKDMKTAYBMTMTNKWGKTGW
                                                                                                                                                                                                              Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NNNNWRBCKTTSWMWWMDHMNTHCTYGNNTWGSAYBM 315
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                                                                                                                                                                                   2.8%; Score 61.4; DB 4; llarity 11.4%; Pred. No. 7.6e-07; Conservative 362; Mismatches 517;
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                                                                                                                                                                                                                                Length 1141;
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RESULT 11
US-09-489-847-73
; Sequence 73, Ap
; Patent No. 6476
                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Rosen et al TITLE OF INVENTION: 98 Human Secreted ProtoFILE REFERENCE: PZO31P1 CURRENT APPLICATION NUMBER: US/09/489,847 CURRENT FILING DATE: 2000-01-24 EARLIER APPLICATION NUMBER: PCT/US99/17130 EARLIER FILING DATE: 1999-07-29
                                                                                                                                                                                                                                                                                                                                                  1024
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    Application US/09489847
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTGACGGCATCTAACCCATAGTAATGAATCAAACTTAAATGAAAAATATGAAAGTTTTCA 1515
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TCACCTAATGATCATGTGGTCTATGAGAAAGAACCAGGAGAGGAGCTACTCATTCCCTGT 1100
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                                                                                                                                                                                                                                                                                                                                                                                              TCTATGTAAGATACTCAAAATATTGTTTCTGATATTGTTA
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                                                                                                                                                                                                                                                                                                                                                                                                                                             WMNCTTTCRKYKUNCTWYTWMTTTRTTWYAATRWKTNNAIGSMTRCNAIGWKNNNYWTGW 1023
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                                                                                                                             Proteins
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US-08-533-669A-5
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                                                                                                                                                                                 COUNTRY:
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EARLIER APPLICATION NUMBER: 60/095,454
EARLIER FILING DATE: 1998-08-06
EARLIER APPLICATION NUMBER: 60/095,455
EARLIER FILING DATE: 1998-08-06
NUMBER OF SEQ ID NOS: 376
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 73
                                                                                                                                                                                                                                                                   Sequence 5, Application Patent No. 5834592 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       LOCATION: (16)
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: SITE LOCATION: (15) OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: SITE LOCATION: (7)
OTHER INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME/KEY: SITE
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0,
CURRENT APPLICATION DATA:
                                                                                                                                                                                       APPLICANT: Corixa Corporation
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF LEI
NUMBER OF SEQUENCES: 18
CORRESPONDENCE ADDRESS:
                                                                                                                            STREET: 0...
STREET: 0...
TTY: Seattle
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ER FILING DATE: 1998-07-30
ER APPLICATION NUMBER: 60/095,486
ER FILING DATE: 1998-08-05
ER APPLICATION NUMBER: 60/096,319
ER FILING DATE: 1998-08-12
                                                                                                98104-7092
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                                                                                                                                                                                                                                                                                                                                                                                       TTTCGCTGGACCCTAGAAAAGCCAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CGGTGGCGCCCGTTCTAGAACTAGTGGATCCCCCGGGATGCAGGAATTCGGCACGAGAAA
                                                                                                                          Washington
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Pred. No. 5.5e-06;
0; Mismatches 17
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APPLICATION NUMBER: US/08/533,669A

22-SEP-1995

CLASSIFICATION:

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Best Local S
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INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
NFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: (206) 622-4900
                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: LBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/183,861
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Dillon, Davin C.
APPLICANT: Skeiky, Yasix A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USEIN THE THERAPY
NUMBER OF SEQUENCES: 87
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATTORNEY/AGENT INFORMATION:
NAME: MAKE, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 21
                                                 NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 211
TELECOMMUNICATION INFORMATION:
                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/022,765
FILING DATE: 12-FEB-1998
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Campos-Neto, Antonio
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LOCATION:
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                       CLASSIFICATION:
                                                                                                                                                                                                                         FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                          COUNTRY: USA
ZIP: 98104-7092
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                                                                       210121.420C3
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US-09-022-765-5
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; LOCATION:
US-09-183-861-5
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Query Match
Best Local S
Matches 70
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ATTORNEY/AGENT INFORMATION:
NAME: Maki, David J.
NAME: Maki, David J.
REGISTRATION NUMBER: 31,392
REFERENCE/DOCKET NUMBER: 2101
TELECOMMUNICATION INFORMATION:
TELECHONE: (206) 622-4900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
                                                                                                                                                                                                                    TELEFAX: (206) 682-6031 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 2040 base pair
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC COMPATIBLE PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                SEQUENCE CHARACTERISTICS:
LENGTH: 2040 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/022,765
FILING DATE: 12-FEB-1998
                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES: 8
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Local Similarity 76.9%;
hes 70; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PELICANT: Dillon, Davin C.
PELICANT: Skeiky, Yasir A.W.
ITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USEIN THE THERAPY AND
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
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ch 2.7%; 1 Similarity 76.9%; 70; Conservative
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Score 57.4; DB 3;
Pred. No. 1.4e-05;
0; Mismatches 21;
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Pred. No. 1.4e-05;
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                                 Length 2040;
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0

Gaps

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GENERAL INFORMATION:
APPLICANT: Reed, Steven G.
APPLICANT: Campos-Neto, Antonio
APPLICANT: Campos-Neto, Antonio
APPLICANT: Webb, John R.
APPLICANT: Webb, John R.
APPLICANT: Webb, John R.
APPLICANT: Skeiky, Ysari A.W.
TITLE OF INVENTION: LEISHMANIA ANTIGENS FOR USE IN THE
TITLE OF INVENTION: THERAPY AND DIAGNOSIS OF LEISHMANIASIS
FILE REFERENCE: 210121.420C5
CURRENT APPLICATION NUMBER: US/09/551,974A
CURRENT FILING DATE: 2000-04-14
NUMBER OF SEQ ID NOS: 101
SOUTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 5
LENGTH: 2040
TYPE: DNA
ORGANISM: Leishmania braziliensis
US-09-551-974A-5
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Search completed: December 25, 2004, 17:43:38 Job time : 189 secs
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US-09-551-974A-5
; Sequence 5, Application US/09551974A
; Patent No. 6500437
; Patent No. 6500437
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                                                                                                     63 GCCTGACGGACCCGGCGGCGTGCTGGGCGAGGA 93
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Minimum DB seq length: 0
Maximum DB seq length: 200000000
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Maximum Match 100%
Listing first 45 summaries
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                                                 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
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Gapop 10.0 , Gapext 1.0
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10675.669 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Published Applications NA:*

1: /cgm2_6/ptcdata/1/pubpna/US07_

2: /cgm2_6/ptcdata/1/pubpna/US05_

3: /cgm2_6/ptcdata/1/pubpna/US05_
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                                                                                                                                                                                                                                                                               jn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
jn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
jn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
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_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
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_6/ptodata/1/pubpna/US11_NEW_PUB.seq:*
_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*
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Sequence 27, Appl	Sequence 13, Appl	Sequence 11, Appl	Sequence 43, Appl	Sequence 41, Appl	Sequence 9, Appli	Sequence 39, Appl	Sequence 3, Appli	Sequence 5, Appli	Sequence 1, Appli	Sequence 14, Appl	Sequence 9, Appli	Description

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; TYPE: DNA
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US-10-167-127-9
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                                                                                                                                                                                                                                                                                                                                                                                                                        TITLE OF INVENTION: INTEGRATIVE ASSAYS FOR MONITORING MOLECULAR ASSEMBLY
TITLE OF INVENTION: EVENTS
FILE REFERENCE: MSA-026.01 (20974-2601)
CURRENT APPLICATION NUMBER: US/10/167,127
CURRENT FILING DATE: 2002-06-11
PRIOR APPLICATION NUMBER: 60/297,305
PRIOR APPLICATION NUMBER: 60/297,305
PRIOR FILING DATE: 2001-06-11
NUMBER OF SEQ ID MOS: 32
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 9, Application US/10167127 Publication No. US20030100031A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                  Query Match 57.7%;
Best Local Similarity 99.8%;
Matches 1255; Conservative
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216 ATCGTCATGTGATCATCACCTAAGAACTAGAACATCAGCAGGCCCCTTAGAAGCCTCACTC 275
                                                                                156 GGCGACACTGCACCCATCCCGGCTGCTTTTTGCTGCGCCCTCTCAGCTTCCCAAGAAAGGC 215
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APPLICANT: 11EPROCESS
APPLICANT: SLOVER, JOHNA K.
APPLICANT: SLOVER, JEHNÍFER A.
TITILO FINVENTION: METHODS FOR DIAGNOSING RCC AND
FILE REFERENCE: AMIO1801
CURRENT APPLICATION NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 60/459,782
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
SEQ ID NO 14
SEQ ID NO 14
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US-10-717-597-14
; Sequence 14, App
; Publication No.
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; ORGANISM: Homo sapiens
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Matches 1255; Conservative
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APPLICANT: Burcz
APPLICANT: Twine
APPLICANT: Dorne
APPLICANT: Trepi
APPLICANT: Slowie
APPLICANT: Stove
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TATACCTGCATGTTAAGGAACACTACATATTGCAGCAAAGTTGCATTTCCCTTGGAAGTT
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Dorner, Andrew J.
Trepicchio, William L.
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No. US20040110221A1
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                                                                                                                                                                        GENERAL INFORMATION:
APPLICANT: Sins, John E.
APPLICATION: IL-1 RECEPTOR ACCESSORY PROTEIN
FILE REFERENCE: 3151-A
CURRENT APPLICATION NUMBER: US/10/061,727
CURRENT FILING DATE: 2001-10-26
PRIOR APPLICATION NUMBER: US 60/244,831
PRIOR FILING DATE: 2000-10-31
PRIOR FILING DATE: 2000-10-31
PRIOR FILING DATE: 2000-10-31
                                                                                                                                 SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 2064
                                                                                                                                                                                                                                                                                                                           Sequence 1, Application US/10061727 Publication No. US20030170632A1
NAME/KEY: CDS
LOCATION: (1)...(2064)
OTHER INFORMATION:
NAME/KEY: misc feature
LOCATION: (1792)...(1792)
OTHER INFORMATION: "n" = a
                                                                                     TYPE: DNA
ORGANISM: Homo :
FEATURE:
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APPLICANT: Smith, Dirk E.
APPLICANT: Smith, Dirk E.
TITLE OF INVENTION: INTERLEUKIN-1 RECEPTORS IN
FILE REFERENCE: 3321-A
CURRENT APPLICATION NUMBER: US/10/215,211
CURRENT FILING DATE: 2002-08-07
PRIOR APPLICATION NUMBER: US 60/310,789
PRIOR APPLICATION NUMBER: US 60/310,789
PRIOR FILING DATE: 2001-08-07
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin version 3.1
SEQ ID NO 5
LENGTH: 1077
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US-10-215-211-5
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LOCATION: (1)..(1077)
OTHER INFORMATION:
US-10-215-211-5
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Publication No. US20030049255A1
GENERAL INFORMATION:
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Best Local Similarity 99.7%;
Matches 1048; Conservative
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                                                         CCAAATGTAGATGGATATTTTCCTTCCAGTGTCAAACCGACTATCACTTGGTATATGGGC
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APPLICANT: Sims, John E.
APPLICANT: Smith, Dirk E.
TITLE OF INVENTION: INTERLEUKIN-1 RECEPTORS IN
FILE REFERENCE: 3321-A
CURRENT APPLICATION NUMBER: US/10/215,211
CURRENT FILING DATE: 2002-08-07
PRIOR APPLICATION NUMBER: US 60/310,789
PRIOR FILING DATE: 2001-08-07
NUMBER OF SEQ ID NOS: 6
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US-10-215-211-3
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Publication No. US20030049255A1
GENERAL INFORMATION:
                                                                                                                                                                    Query Match 48.5%;
Best Local Similarity 99.7%;
Matches 1048; Conservative
                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: PatentIn version 3.1 SEQ ID NO 3
                                                                                                                                                                                                                                                      TENGTH: 1713

TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LCCATION: (1)...(1713)
OTHER INFORMATION:
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   GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA 482
                                    TCAGAACGCTGCGATGACTGGGGACTAGACACCATGAGGCAAATCCAAGTGTTTGAAGAT
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                                                                                                                                                                        Score 1046.2; DB 14
Pred. No. 1.3e-215;
0; Mismatches 3;
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RESULT 6
US-10-282-162-39
; Sequence 39, Application US/10282162
; Publication No. US20030143697A1
; GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, I
TITLE OF INVENTION: RECEPTOR BASED ANTA
; TITLE OF INVENTION: AND USING
; FILE REFERENCE: REG 203-B-US
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CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR FILING DATE: 1999-09-22
PRIOR APPLICATION NUMBER: 9CT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 39
LENGTH: 2703
TYPE: DAN: Homo sapiens
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Publication No. US20040224893A1

APPLICANT: Lin, Hsien
APPLICANT: Lin, Hsien Chieh
APPLICANT: Karow, Margaret

TITLE OF INVENTION: Methods of Using IL-1 Antagonists to Treat Neointimal Hyperplasia

FILE REFERENCE: REG 207A

CURRENT APPLICATION NUMBER: US/10/840,138

CURRENT FILING DATE: 2004-05-06

NUMBER OF SEQ ID NOS: 28

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 9

LENGTH: 2703
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Best Local Similarity
Matches 1046; Conserv
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ORGANISM: Homo sapiens
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RESULT 8
US-10-282-162-41
Sequence 41, Application US/10282162
Sequence 41, Application US/0030143697A1
Publication No. US20030143697A1
GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, ANITITLE OF INVENTION: AND USING
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT APPLICATION NUMBER: 09/787,835
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR APPLICATION NUMBER: DCT/US99/22045
PRIOR APPLICATION NUMBER: DCT/US99/22045
PRIOR FILING DATE: 1999-09-22
RIOR FILING DATE: 1999-09-22
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                                                                                                                    LENGTH: 2709
TYPE: DNA
CORGANISM: Homo sapiens
US-10-282-162-41
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Best Local Similarity
Matches 1046; Conserv
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RESULT 9
US-10-282-162-43
; Sequence 43, Application US/10282162
; Publication No. US20030143697A1

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GENERAL INFORMATION:
APPLICANT: REGEMERON FHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND METHODS OF MAKING
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 203-B-US
CURRENT FAPPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
FRIOR APPLICATION NUMBER: 09/787,835
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 43
LENGTH: 2709
TYPE: DNA
ORGANISM: Homo sapiens
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                                                         CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAATGCA
                                                                                                                               ATTGCCTTAATTTCAAATAATGGAAATTACACATGTGTTGTTACATATCCAGAAAATGGA
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Pred. No. 8e-215;
0; Mismatches 5;
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APPLICANT: Wang, Li-Hsien
APPLICANT: Lin, Hsin Chieh
APPLICANT: Karow, Margaret
TITLE OF INVENTION: Methods of Using IL-1 Antagonists to Treat Neointimal Hyperplasia
FILE REFERENCE: REG 207A
CURRENT APPLICATION NUMBER: US/10/840,138
CURRENT FILING DATE: 2004-05-06
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 11
LENGTH: 2709
TYPE: DNA
ORGANISM: Homo sapiens
US-10-840-138-11
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US-10-840-138-11
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Best Local Similarity
Matches 1046; Conserv
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Pred. No. 8e-215;
0; Mismatches 5;
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                                                                                                               GENERAL INFORMATION:

APPLICANT: Wang, Li-Hsien
APPLICANT: Lin, Hsin Chieh
APPLICANT: Karow, Margaret
TITLE OF INVENTION: Methods of Using IL-1 Antagonists to Treat Neointimal Hyperplasia
FILE REFERENCE: REG 207A
CURRENT APPLICATION NUMBER: US/10/840,138
CURRENT FILING DATE: 2004-05-06
NUMBER OF SEO ID NOS: 28
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 13
SEQ ID NO 13
SEQ ID NO 13
TYPE: DNA
ORGANISM: Homo sapiens
US-10-840-138-13
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US-10-640-138-13
Sequence 13, Application US/10840138
Publication No. US20040224893A1
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Best Local Similarity 99.5%;
Matches 1046; Conservative
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                                                    Score 1043; DB 1
Pred. No. 8e-215;
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GENERAL INFORMATION:

APPLICANT: REGERERON PHARMACEUTICALS, INC.

TITLE OF INVENTION: RECEPTOR BASED ANTAGONISTS, AND

TITLE OF INVENTION: AND USING

FILE REFERENCE: REG 203-A.

CURRENT FILING DATE: 199-05-19

CURRENT FILING DATE: 199-05-19

PRIOR APPLICATION NUMBER: 09/313,942

PRIOR FILING DATE: 199-05-19

PRIOR APPLICATION NUMBER: 60/101,858

PRIOR FILING DATE: 1990-05-19

PRIOR APPLICATION NUMBER: 60/101,858

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; NAME/KEY: CDS
; LOCATION: (1)...(2730)
US-09-313-942-27
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Best Local Similarity
Matches 1046; Conserv
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    CGTACGTTTCATCTCACCAGGACTCTGACTGTAAAGGTAGTAGGCTCTCCAAAAAATGCA
                                                                                                                                                                                    TGTTATAAAATACAGAATTTTAATAATGTAATACCCGAAGGTATGAACTTGAGTTTCCTC
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Pred. No. 8.1e-215;
0; Mismatches 5;
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; IOCATION: (1)...(2730)
US-09-935-868-27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Regeneron Pharmaceuticals, Inc
ITILE OF INVENTION: Receptor Based Antagonists, and
FILE REFERENCE: REG 203D
CURRENT APPLICATION NUMBER: US/09/935,868
CURRENT FILING DATE: 2002-04-11
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PATENTIN VERSION 3.0
SEQ ID NO 27
LENGTH: 2733
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US-09-935-868-27
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Best Local Sim
Matches 1046;
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Similarity 99.5%;
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Pred. No. 8.1e-215;
0; Mismatches 5;
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 Sequence 27, Application US/10287035

Publication No. US20030104567A1

GENERAL INFORMATION:

APPLICANT: Neil Stahl and George D. Yancopou

TITLE OF INVENTION: RECEPTOR BASED ANTAGONIS

TITLE OF INVENTION: AND USING

FILE REFERENCE: REG 203DA

CURRENT APPLICATION NUMBER: US/10/287,035

CURRENT FILING DATE: 2002-11-01

PRIOR APPLICATION NUMBER: USSN 09/935,868

PRIOR APPLICATION NUMBER: USSN 09/787,835

PRIOR APPLICATION NUMBER: USSN 09/787,835

PRIOR FILING DATE: 2001-03-22

PRIOR APPLICATION NUMBER: USSN 09/313,942

PRIOR APPLICATION NUMBER: USSN 09/313,942
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US-10-287-035-27
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; NAME/KEY: CDS
; LOCATION: (1)...(2730)
US-10-287-035-27
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Best Local Similarity
Matches 1046; Conserv
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PRIOR APPLICATION NUMBER: 60/101,858
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 60
SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 27
LENGTH: 2733
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ORGANISM: Homo
FEATURE:
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   GAGCTACTCATTCCCTGTACGGTCTATTTTAGTTTTTCTGATGGATTCTCGCAATGAGGTT
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Pred. No. 8.1e.
0; Mismatches
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8.1e-215;
hes 5;
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(Sequence 27, Application US/10282162

(Publication No. US20030143697A1

(GENERAL INFORMATION:
APPLICANT: REGENERON PHARMACEUTICALS, INC.
TITLE OF INVENTION: RECEPTOR BASED ANTAGONIS
TITLE OF INVENTION: AND USING
FILE REFERENCE: REG 201-B-US
CURRENT APPLICATION NUMBER: US/10/282,162
CURRENT FILING DATE: 2002-10-28
PRIOR APPLICATION NUMBER: 09/787,835
PRIOR APPLICATION NUMBER: PCT/US99/22045
PRIOR FILING DATE: 1999-09-22
NUMBER OF SEQ ID NOS: 56
SOFTWARE: FSSTSEQ for Windows Version 3.0
SEQ ID NO 27
LENGTH: 2733
TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: DNA
; CRGANIEM: Homo sapiens
; PEATURE;
; PEATURE;
; NAME/KEY: CDS
; LOCATION: (1)...(2730)
US-10-282-162-27
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Best Local Similarity
Matches 1046; Conserv
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                                                     TTCCGGCCCACTCTCCTCAATGACACTGGCAACTATACCTGCATGTTAAGGAACACTACA
                                                                                                 GAGCCAATTAACTTCCGCCTCCCCGAGAACCGCATTAGTAAGGAGAAAGATGTGCTGTGG
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                                                                                                                                                                                                                                 GAGCCAGCTCGCATCAAGTGCCCACTCTTTGAACACTTCTTGAAATTCAACTACAGCACA
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Pred. No. 8.1e-215;
0; Mismatches 5;
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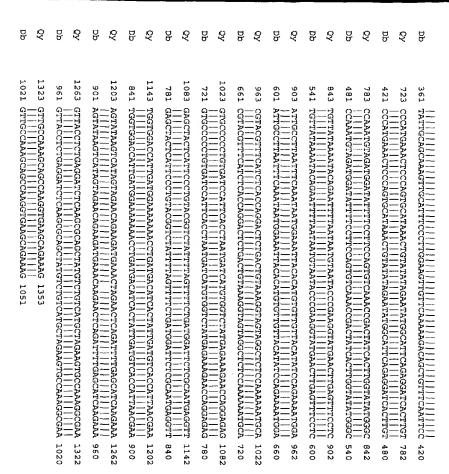
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722 360 662 602

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542 180 482 120 362



Search completed: December 25, 2004, 20:25:45 Job time: 1129 secs

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Database :
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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Gapop 10.0 , Gapext 1.0
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10698.709 Million cell updates/sec
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// Cgn2_6/prodata/1/pna/US096E_COMB.seq:*
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// Cgn2_6/prodata/1/pna/US096E_COMB.seq:*
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// Cgn2_6/prodata/1/pna/US097E_COMB.seq:*
// Cgn2_6/prodata/1/pna/US097C_COMB.seq:*
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12_6/ptodata/1/pna/PCTUS1_COMB.seq:*
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_6/ptodata/1/pna/US095D_COMB.seq:*
_6/ptodata/1/pna/US096A_COMB.seq:*
_6/ptodata/1/pna/US096C_COMB.seq:*
_6/ptodata/1/pna/US096C_COMB.seq:*
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6/ptodata/1/pna/US094_COMB.seq:*
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6/ptodata/1/pna/US095B_COMB.seq:*
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444 444 447 (cgm2 6/ptcdata // pna/US099 G COMB. seq; 46; Cgm2 6/ptcdata // pna/US090 G COMB. seq; 47; Cgm2 6/ptcdata // pna/US000 COMB. seq; 49; Cgm2 6/ptcdata // pna/US000 COMB. seq; 49; Cgm2 6/ptcdata // pna/US000 COMB. seq; 50; Cgm2 6/p
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